

RATES OF CHRONOMETERS

ON TRIAL

FOR PURCHASE BY THE BOARD OF ADMIRALTY,

AT THE

ROYAL OBSERVATORY, GREENWICH.

1883.

RATES OF CHRONOMETERS ON TRIAL FOR PURCHASE BY THE ADMIRALTY.

NAME or MAKER.	No.	Description furnished by the Maker.	(1)-WEEKLY SUMS OF DAILY RATES											
			Construction of Escapement and Balance, from the											
			Jan. 13-20	Jan. 20-27	Jan. 27 to Feb. 3	Feb. 3-10	Feb. 10-17	Feb. 17-24	Mar. to Mar. 3	Mar. 3-10	Mar. 10-17	Mar. 17-24	Mar. 24-31	
Kallberg	4067	Reversed detent, with short spring.	- 49	- 59	- 61	- 65	- 83	- 90	08	- 48	- 1	- 79	-	
Robinson	3077	Auxiliary to balance. Airy's compensation arm.	- 01	- 27	- 56	- 71	- 40	- 35	- 13	- 14	- 11	- 79	- 86	
James Poole & Co.	3760	Pool's auxiliary. Palladium spring.	- 19	- 10	- 33	- 41	- 100	- 109	- 92	- 101	- 114	- 89	- 147	
Kallberg	4070	Reversed detent, with short spring.	- 75	- 75	- 84	- 81	- 100	- 109	- 92	- 101	- 114	- 89	- 147	
Williams	3664	Ordinary balance, with auxiliary compensation.	+ 12	+ 14	+ 16	+ 11	+ 23	+ 03	- 06	+ 15	+ 25	+ 17	+ 44	
Isaac	1668	Balance, without auxiliary.	+ 29	+ 19	+ 28	+ 30	- 20	- 25	- 19	- 104	- 50	- 84	- 01	
Langford	1883	Flat rim balance, with fine adjustment.	- 81	- 87	- 65	- 83	- 92	- 91	+ 05	+ 35	+ 40	+ 29	+ 66	
Robinson	3077	Auxiliary to balance. Palladium spring.	- 02	- 01	- 03	- 03	- 04	- 01	- 01	- 11	- 19	- 19	- 29	
Sevill	3607	Auxiliary compensation.	- 71	- 60	- 168	- 203	- 190	- 100	+ 17	- 360	- 287	- 256	- 281	
Pyott	488	Ordinary balance, with slight addition.	- 37	- 41	- 31	- 43	- 43	- 44	- 56	- 27	- 39	- 07	+ 28	
James Poole & Co.	3762	Pool's auxiliary.	- 79	- 68	- 53	- 55	- 52	- 63	- 70	- 87	- 28	- 54	- 43	
David Reid	1641	Ordinary balance, with auxiliary compensation.	- 51	- 60	- 54	- 57	- 59	- 63	- 94	- 70	- 10	- 01	- 11	
Lester and Sons	3746	Ordinary balance, with auxiliary compensation.	- 83	- 80	- 37	- 45	- 43	- 40	- 47	- 113	- 112	- 119	- 128	
Williams	3690	Pool's auxiliary. Airy's compensation arm.	- 61	- 61	- 59	- 37	- 41	- 46	- 18	- 28	- 27	- 29	- 38	
Bishop	5564	Auxiliary for extremes of temperature.	- 131	- 138	- 120	- 120	- 125	- 126	- 131	- 43	- 43	- 27	- 17	
Moore	3760	Pool's auxiliary.	- 42	- 45	- 71	- 90	- 82	- 78	- 169	- 134	- 128	- 144	-	
Heinrich	3	Historic's patent auxiliary.	- 123	- 129	- 133	- 128	- 130	- 125	- 130	- 125	- 130	- 125	- 130	
C. Frodham & Co.	3307	Historic's three-bar compensation.	- 80	- 120	- 141	- 121	- 120	- 115	- 83	- 05	- 05	- 05	- 05	
Lawson	2383	Auxiliary, acting in extreme temperature.	- 63	- 65	- 38	- 61	- 71	- 69	- 98	- 53	- 10	- 51	+ 99	
David Reid	5599	Airy's compensation arm.	- 106	- 184	- 188	- 186	- 169	- 171	- 150	- 33	- 01	- 83	- 42	
Lester and Sons	3746	Pool's auxiliary.	- 50	- 70	- 80	- 68	- 37	- 40	- 56	- 08	- 13	- 18	- 41	
Webb	5566	Auxiliary compensation.	- 43	- 41	- 43	- 39	- 32	- 14	- 09	- 56	- 17	- 13	- 49	
Neilson	2829	Auxiliary, gaining in cold. Airy's compensation	- 68	- 64	- 84	- 84	- 55	- 12	- 01	- 27	- 137	- 107	- 43	
Reid and Sons	5785	Auxiliary to balance.	+ 110	- 122	- 147	+ 113	- 100	- 08	+ 147	- 105	- 170	- 105	-	
Sevill	3605	Auxiliary compensation.	- 89	- 90	- 58	- 79	- 40	- 59	- 39	- 03	- 38	- 51	+ 69	
Oram and Son	2836	Ordinary balance.	- 24	- 57	- 01	- 81	- 102	- 84	- 26	- 157	- 103	- 180	- 130	
Ritchall	1382	Ordinary balance, with slight alterations.	+ 124	+ 98	+ 108	+ 107	+ 123	+ 123	+ 128	+ 238	+ 267	+ 268	+ 268	
Webb	5565	Auxiliary compensation.	- 04	- 104	- 30	- 35	- 70	- 16	- 140	- 161	- 195	- 150	- 150	
Smith.	6299	Double auxiliary to balance.	+ 00	+ 08	+ 86	+ 103	+ 115	+ 109	+ 134	+ 49	+ 135	+ 140	+ 177	
C. Frodham & Co.	3308	Charles Frodham's three-bar compensation.	- 148	- 152	- 158	- 169	- 170	- 177	- 138	- 130	- 00	- 70	- 76	
Keys	5781	Auxiliary to balance. Palladium spring.	- 1	- 12	- 03	- 30	- 39	- 51	+ 43	+ 300	+ 208	+ 234	+ 293	
Hennessy	3644	Auxiliary compensation to balance.	- 08	- 78	- 77	- 68	- 04	- 98	- 38	- 192	- 155	- 163	+ 154	
Schoof	6050	Schoof's improved resilient lever escapement.	+ 70	+ 72	+ 86	+ 131	+ 181	+ 205	+ 259	+ 347	+ 329	+ 320	+ 490	
Oram and Son	18790	Auxiliary compensation.	+ 183	+ 106	+ 168	+ 224	+ 181	+ 200	+ 208	+ 123	+ 170	+ 145	+ 123	
Keys	450	Auxiliary compensation.	- 07	- 03	- 90	- 84	- 93	- 123	+ 109	+ 89	+ 300	+ 395	+ 393	
Mercur	3664	Ordinary balance, with auxiliary compensation.	+ 252	+ 256	+ 277	+ 279	+ 276	+ 270	+ 257	+ 300	+ 208	+ 234	+ 248	
Hennessy	3664	Auxiliary compensation to balance.	- 00	- 20	- 41	- 29	- 07	- 19	- 19	- 111	- 97	- 88	- 91	
Chronometer.			+1148.8	+1299.8	+1311.4	+1202.6				- 978.0	- 2529.0	- 2586.0		
Mean Weekly Temperature...			48.2	47.5	46.7	47.5	49.4	48.6	50.4	52.3	54.2	52.9	54.4	
Extremes of Temperature as shown by the Self-Registering Thermometer...			46-51	42-52	44-50	45-50	46-53	45-53	48-52	81-100	87-100	89-88	85-100	

The sign + indicates that the rate is gaining.

* During these weeks the Chronometers were placed in the chamber of a stove heated by jets of gas. The gas flames are exterior to the chamber, into which none of the injurious products of combustion can enter.

The Chronometer Thermometer differs from an ordinary Chronometer only in the construction of the balance, the positions of the metals forming the compensating ring being reversed. By this arrangement the effect of temperature is much magnified.

During the weeks February 10-17, 17-24, February 24-March 3, and March 3-10, the Chronometer Thermometer was in the hands of the maker for repair.

NAME or MAKER.	No.	IN THE ORDER OF TIME.											
		Mar. 10 to Apr. 7											
		Mar. 10 to Apr. 7	April 7-14	April 14-21	April 21-28	April 28 to May 5	May 5-12	May 12-19	May 19-26	May 26 to June 2	June 2-9	June 9-16	June 16-23
Kallberg	4067	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Robinson	3077	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
James Poole & Co.	3760	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Kallberg	4070	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Williams	3664	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Isaac	1668	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Langford	1883	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Robinson	3077	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Sevill	3607	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Pyott	488	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
James Poole & Co.	3762	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
David Reid	1641	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Lester and Sons	3746	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Williams	3690	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Bishop	5564	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Moore	3760	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Heinrich	3	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
C. Frodham & Co.	3307	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Lawson	2383	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
David Reid	5599	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Lester and Sons	3746	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Webb	5566	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Neilson	2829	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Reid and Sons	5785	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Sevill	3605	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Oram and Son	2836	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Ritchall	1382	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Webb	5565	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Smith.	6299	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
C. Frodham & Co.	3308	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Keys	5781	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Hennessy	3644	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Schoof	6050	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Oram and Son	18790	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Keys	450	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Mercur	3664	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Hennessy	3664	- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Chronometer.		- 36	- 53	- 64	- 81	- 7	- 88	- 118	- 83	- 80	- 83	- 51	- 69
Mean Weekly Temperature...		48.2	47.5	46.7	47.5	49.4	48.6	50.4	52.3	54.2	52.9	54.4	
Extremes of Temperature as shown by the Self-Registering Thermometer...		46-51	42-52	44-50	45-50	46-53	45-53	48-52	81-100	87-100	89-88	85-100	

The Chronometers being placed in order of merit, their respective positions being determined by consideration of the irregularities of rate exhibited to Table III.

Mercur 3664. The misplacement of this Chronometer was found broken in the twelfth week of the trial. It was removed by the maker on April 9, and deposited again on April 12.

Hennessy 3664. The misplacement of this Chronometer was found broken in the seventeenth week of the trial. It was removed by the maker on May 28.

(Extremes of Temperature as shown by the Self-Registering Thermometer.)

Mean Weekly Temperature.

Chronometer Thermometer.

Mean Weekly Temperature.

Chronometer Thermometer.

Mean Weekly Temperature.

Chronometer Thermometer.

Mean Weekly Temperature.

Chronometer Thermometer.

Mean Weekly Temperature.

Chronometer Thermometer.

Mean Weekly Temperature.

Chronometer Thermometer.

Mean Weekly Temperature.

Chronometer Thermometer.

NAME MAKER.	No.	Wholesale Days.	Construction of Escapement and Balance, Description furnished by the Maker.	(II).—WEEKLY SUMS OF DAILY RATES											
				Jan. 27 Feb. 3.	Jan. 20-27	Feb. 3-10	Jan. 17-24	Feb. 10-17	Feb. 17-24	Mar. 3-10	Mar. 10-17	Mar. 17-24	Mar. 24-31	Mar. 31 to April 7	Mar. 31 to April 7
Kullberg.....	4067	2	Reversed dent, with short spring.	- 61	- 59	- 65	- 49	- 60	- 53	- 68	- 91	- 80	- 53	- 36	- 118
Robinson.....	3077	2	Auxiliary to balance. Airy's compensation arm.	+ 56	+ 27	+ 71	+ 01	+ 36	+ 40	+ 13	+ 91	+ 102	+ 83	+ 36	+ 03
James Poole & Co.....	3760	2	Poole's auxiliary. Palladium spring.	+ 23	+ 18	+ 22	+ 19	+ 22	+ 19	+ 32	+ 51	+ 29	+ 53	+ 60	+ 54
Kullberg.....	4070	2	Reversed dent, with short spring.	+ 94	+ 75	+ 91	+ 75	+ 105	+ 100	+ 92	+ 156	+ 121	+ 176	+ 125	+ 03
Williams.....	3664	2	Ordinary balance, with auxiliary compensation.	+ 16	+ 14	+ 11	+ 26	+ 08	+ 23	+ 06	+ 106	+ 113	+ 92	+ 70	+ 48
Isaac.....	1668	2	Balance, without auxiliary.	+ 28	+ 19	+ 20	+ 12	+ 93	+ 20	+ 45	+ 54	+ 20	+ 106	+ 105	+ 01
Langford.....	1882	2	Flat rim balance, with fine adjustment.	- 65	- 87	- 85	- 81	- 92	- 104	- 01	+ 08	+ 22	+ 22	+ 22	+ 01
Robinson.....	3078	2	Auxiliary to balance.	+ 03	+ 01	+ 02	+ 07	+ 01	+ 04	+ 09	+ 111	+ 90	+ 69	+ 69	+ 01
Sevill.....	3607	2	Auxiliary compensation.	+ 188	+ 200	+ 203	+ 171	+ 190	+ 190	+ 175	+ 262	+ 245	+ 245	+ 245	+ 245
Fryott.....	488	2	Ordinary balance, with slight addition.	- 31	- 41	- 43	- 37	- 44	- 45	- 56	- 10	- 03	- 16	- 47	- 03
James Poole & Co.....	3762	2	Poole's auxiliary.	- 53	- 60	- 55	- 79	- 63	- 59	- 70	- 61	- 73	- 45	+ 24	+ 24
David Reid.....	1841	2	Ordinary balance, with auxiliary compensation arm.	- 84	- 60	- 57	- 51	- 63	- 59	- 75	- 81	- 94	- 76	- 64	- 64
Mercer.....	3740	2	Ordinary balance, with auxiliary compensation arm.	+ 37	+ 20	+ 45	+ 31	+ 50	+ 45	+ 47	+ 104	+ 113	+ 80	+ 80	+ 80
Lister and Sons.....	824	2	Poole's auxiliary. Airy's compensation arm.	- 39	- 01	+ 33	+ 09	+ 48	+ 41	+ 13	+ 13	+ 12	+ 12	+ 12	+ 12
Williams.....	3690	2	Ordinary balance, with slight addition.	- 54	- 67	- 77	- 61	- 65	- 67	- 70	- 01	- 03	- 22	- 35	- 35
Bishop.....	5564	2	Auxiliary for extremes of temperature.	- 120	- 138	- 120	- 131	- 126	- 125	+ 31	- 07	- 50	- 80	- 83	- 83
Moore.....	5756	2	Auxiliary to balance. Airy's compensation arm.	- 58	+ 42	+ 46	+ 11	+ 90	+ 78	+ 73	+ 128	+ 128	+ 128	+ 128	+ 128
Heinrich.....	3307	2	Heinrich's patent auxiliary. [balance.]	+ 533	+ 520	+ 528	+ 533	+ 530	+ 529	+ 529	+ 537	+ 541	+ 541	+ 541	+ 541
C. Frodham & Co.....	3527	8	Charles Frodham's three-bar compensation arm.	- 141	- 120	- 121	- 80	- 115	- 120	- 83	- 182	- 213	- 181	- 82	- 82
Lawson.....	3393	8	Auxiliary, acting in extreme temperatures.	- 38	- 63	- 61	- 55	- 69	- 71	- 98	- 79	- 96	- 81	- 97	- 97
David Reid.....	5599	2	Airy's compensation arm.	- 188	- 184	- 186	- 166	- 171	- 169	- 150	- 85	- 89	- 105	- 93	- 93
Lister and Sons.....	825	2	Poole's auxiliary.	- 80	- 70	- 68	- 50	- 60	- 37	- 59	+ 34	+ 40	+ 35	+ 25	+ 25
Webb.....	5596	2	Ordinary balance, with auxiliary compensation.	+ 42	+ 41	+ 43	+ 45	+ 45	+ 45	+ 45	+ 45	+ 45	+ 45	+ 45	+ 45
Nelson.....	2832	2	Auxiliary, gaining in cold. Airy's compensation arm.	+ 84	+ 64	+ 56	+ 60	+ 62	+ 12	+ 27	+ 10	+ 16	+ 43	+ 77	+ 77
Reid and Sons.....	5785	2	Auxiliary to balance.	+ 147	- 122	+ 110	+ 110	+ 90	+ 100	+ 69	+ 122	+ 159	+ 113	+ 110	+ 110
Sevill.....	3685	2	Auxiliary compensation.	- 58	- 90	- 79	- 89	- 99	- 40	- 38	- 84	- 117	- 40	- 48	- 48
Nelson.....	2832	2	Auxiliary, gaining in cold. Airy's compensation arm.	- 01	- 57	- 81	- 24	- 84	- 103	- 98	- 05	- 03	- 19	+ 28	+ 28
Webb.....	5596	2	Ordinary balance, with slight alterations.	+ 106	+ 98	+ 107	+ 124	+ 123	+ 136	+ 126	+ 196	+ 268	+ 243	+ 268	+ 268
Birchall.....	1981	2	Auxiliary compensation.	- 90	- 109	+ 33	+ 04	+ 70	+ 23	+ 66	+ 26	+ 04	+ 78	+ 78	+ 78
Webb.....	5596	2	Auxiliary compensation.	+ 97	+ 70	+ 67	+ 99	+ 92	+ 68	+ 28	- 78	- 79	- 64	- 70	- 70
Smith.....	6599	2	Double auxiliary to balance. [balance.]	+ 86	+ 68	+ 105	+ 60	+ 105	+ 113	+ 124	+ 99	+ 138	+ 884	+ 947	+ 947
C. Frodham & Co.....	3528	8	Charles Frodham's three-bar compensation arm.	- 155	- 120	- 87	+ 153	- 123	- 93	- 123	- 73	- 128	- 28	- 28	- 28
Reid and Sons.....	5781	2	Auxiliary to balance. Palladium spring.	- 156	- 159	- 169	- 148	- 177	- 170	- 176	+ 17	+ 38	+ 01	+ 01	+ 01
Hennessy.....	3644	2	Ordinary balance, with Airy's compensation arm.	- 12	- 12	- 11	- 11	- 11	- 11	- 11	- 11	- 11	- 11	- 11	- 11
Schoof.....	6550	2	Schoof's improved resilient lever escapement.	+ 86	+ 73	+ 131	+ 70	+ 205	+ 181	+ 259	+ 447	+ 530	+ 381	+ 396	+ 396
Oram and Son.....	1850	2	Auxiliary compensation.	+ 108	+ 106	+ 124	+ 193	+ 200	+ 181	+ 136	+ 66	+ 26	+ 04	+ 04	+ 04
Keys.....	4550	2	Auxiliary compensation.	+ 90	+ 03	+ 84	+ 07	+ 123	+ 93	+ 109	+ 378	+ 502	+ 530	+ 452	+ 452
Mercer.....	3664	2	Ordinary balance with auxiliary compensation.	+ 277	+ 285	+ 278	+ 293	+ 270	+ 276	+ 287	+ 135	+ 117	+ 20	+ 10	+ 10
Hennessy.....	3644	2	Auxiliary compensation to balance.	+ 41	+ 20	+ 29	+ 00	+ 19	+ 07	- 19	+ 54	...	+ 30	- 10	- 10
Chronometrical Thermometer.....				+ 1311.0	+ 1229.6	+ 1208.6	+ 1148.6	...	...	...	+ 885.5	+ 782.0	+ 790.2	+ 697.0	+ 697.0
Mean Weekly Temperature.....				46.7	47.5	47.5	48.2	48.6	49.4	50.4	53.1	54.3	54.1	54.5	54.5
Extremes of Temperature as shown by the Self-Registering Thermometers.....				44-50	42-52	45-50	46-51	45-53	46-55	48-52	50-56	51-58	53-57	48-60	48-60

The sign + indicates that the rate is gaining.

† During these weeks the Chronometers were placed in the chamber of a stove heated by jets of gas. The gas flames are exterior to the chamber, into which none of the injurious products of combustion can enter.

The Chronometrical Thermometer differs from an ordinary Chronometer only in the construction of the balance, the positions of the metals forming the compensating ring being reversed. By this arrangement the effect of temperature is much magnified.

During the weeks February 10-17, 17-24, February 24-March 3, and March 3-10, the Chronometrical Thermometer was in the hands of the maker for repair.

IN THE ORDER OF TEMPERATURE, AS DETERMINED GENERALLY BY THE CHRONOMETRICAL THERMOMETER.															NAME		No.
															or		
															MAKER.		
Apr. 14-21	Apr. 21-28	May 1	May 12-19	May 21-28	May 28-31	June 1	June 7	June 14	June 21	June 28	July 5	July 12	July 19	July 26	Aug 2	Aug 9	Aug 16
- 60	- 78	- 88	- 76	- 51	- 69	- 89	- 85	- 100	- 80	- 89	- 85	- 49	- 81	- 79	- 56	- 94	- 118
+ 68	+ 83	+ 56	+ 73	+ 51	+ 61	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16
+ 47	+ 28	+ 23	+ 31	+ 48	+ 48	+ 37	+ 41	+ 02	+ 15	+ 32	+ 41	+ 15	+ 05	+ 03	+ 03	+ 03	+ 03
+ 184	+ 153	+ 153	+ 91	+ 158	+ 102	+ 116	+ 110	+ 110	+ 165	+ 184	+ 160	+ 101	+ 114	+ 99	+ 44	+ 43	+ 33
+ 118	+ 122	+ 108	+ 84	+ 74	+ 78	+ 61	+ 73	+ 80	+ 00	+ 60	+ 10	+ 23	+ 17	+ 44	+ 43	+ 33	+ 33
+ 89	+ 47	+ 06	+ 29	+ 42	+ 94	+ 64	+ 36	+ 24	+ 23	+ 30	+ 34	+ 35	+ 40	+ 29	+ 19	+ 18	+ 18
- 01	- 10	- 19	- 24	+ 45	+ 10	+ 49	+ 29	+ 27	+ 05	+ 03	+ 34	+ 50	- 26	- 01	- 11	- 11	- 11
+ 106	+ 102	+ 68	+ 153	+ 115	+ 108	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116
+ 43	+ 28	+ 28	+ 30	+ 126	+ 04	+ 94	+ 111	+ 69	+ 81	+ 97	+ 84	+ 28	+ 27	+ 28	+ 28	+ 28	+ 28
- 14	- 13	- 63	- 69	- 76	- 60	- 42	- 36	- 19	+ 31	+ 24	- 18	- 29	- 26	- 26	- 26	- 26	- 26
+ 63	+ 63	+ 57	+ 69	+ 57	+ 87	+ 60	+ 76	+ 67	+ 93	+ 18	+ 18	- 37	- 28	- 64	- 43	+ 21	+ 21
+ 48	+ 49	- 09	+ 33	- 07	+ 35	+ 49	+ 65	+ 69	+ 87	+ 02	- 10	+ 10	+ 11	+ 11	+ 11	+ 11	+ 11
+ 91	+ 123	+ 128	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 60	- 52	- 17	+ 28	- 11	+ 21	+ 04	+ 33	- 05	- 10	- 04	- 14	- 43	- 43	- 43	- 43	- 43	- 43
+ 100	+ 126	+ 126	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
+ 89	+ 47	+ 06	+ 29	+ 42	+ 94	+ 64	+ 36	+ 24	+ 23	+ 30	+ 34	+ 35	+ 40	+ 29	+ 19	+ 18	+ 18
+ 101	+ 102	+ 68	+ 153	+ 115	+ 108	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116
+ 43	+ 28	+ 28	+ 30	+ 126	+ 04	+ 94	+ 111	+ 69	+ 81	+ 97	+ 84	+ 28	+ 27	+ 28	+ 28	+ 28	+ 28
- 14	- 13	- 63	- 69	- 76	- 60	- 42	- 36	- 19	+ 31	+ 24	- 18	- 29	- 26	- 26	- 26	- 26	- 26
+ 63	+ 63	+ 57	+ 69	+ 57	+ 87	+ 60	+ 76	+ 67	+ 93	+ 18	+ 18	- 37	- 28	- 64	- 43	+ 21	+ 21
+ 48	+ 49	- 09	+ 33	- 07	+ 35	+ 49	+ 65	+ 69	+ 87	+ 02	- 10	+ 10	+ 11	+ 11	+ 11	+ 11	+ 11
+ 91	+ 123	+ 128	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 60	- 52	- 17	+ 28	- 11	+ 21	+ 04	+ 33	- 05	- 10	- 04	- 14	- 43	- 43	- 43	- 43	- 43	- 43
+ 100	+ 126	+ 126	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
+ 89	+ 47	+ 06	+ 29	+ 42	+ 94	+ 64	+ 36	+ 24	+ 23	+ 30	+ 34	+ 35	+ 40	+ 29	+ 19	+ 18	+ 18
+ 101	+ 102	+ 68	+ 153	+ 115	+ 108	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116
+ 43	+ 28	+ 28	+ 30	+ 126	+ 04	+ 94	+ 111	+ 69	+ 81	+ 97	+ 84	+ 28	+ 27	+ 28	+ 28	+ 28	+ 28
- 14	- 13	- 63	- 69	- 76	- 60	- 42	- 36	- 19	+ 31	+ 24	- 18	- 29	- 26	- 26	- 26	- 26	- 26
+ 63	+ 63	+ 57	+ 69	+ 57	+ 87	+ 60	+ 76	+ 67	+ 93	+ 18	+ 18	- 37	- 28	- 64	- 43	+ 21	+ 21
+ 48	+ 49	- 09	+ 33	- 07	+ 35	+ 49	+ 65	+ 69	+ 87	+ 02	- 10	+ 10	+ 11	+ 11	+ 11	+ 11	+ 11
+ 91	+ 123	+ 128	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 60	- 52	- 17	+ 28	- 11	+ 21	+ 04	+ 33	- 05	- 10	- 04	- 14	- 43	- 43	- 43	- 43	- 43	- 43
+ 100	+ 126	+ 126	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
+ 89	+ 47	+ 06	+ 29	+ 42	+ 94	+ 64	+ 36	+ 24	+ 23	+ 30	+ 34	+ 35	+ 40	+ 29	+ 19	+ 18	+ 18
+ 101	+ 102	+ 68	+ 153	+ 115	+ 108	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116
+ 43	+ 28	+ 28	+ 30	+ 126	+ 04	+ 94	+ 111	+ 69	+ 81	+ 97	+ 84	+ 28	+ 27	+ 28	+ 28	+ 28	+ 28
- 14	- 13	- 63	- 69	- 76	- 60	- 42	- 36	- 19	+ 31	+ 24	- 18	- 29	- 26	- 26	- 26	- 26	- 26
+ 63	+ 63	+ 57	+ 69	+ 57	+ 87	+ 60	+ 76	+ 67	+ 93	+ 18	+ 18	- 37	- 28	- 64	- 43	+ 21	+ 21
+ 48	+ 49	- 09	+ 33	- 07	+ 35	+ 49	+ 65	+ 69	+ 87	+ 02	- 10	+ 10	+ 11	+ 11	+ 11	+ 11	+ 11
+ 91	+ 123	+ 128	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 60	- 52	- 17	+ 28	- 11	+ 21	+ 04	+ 33	- 05	- 10	- 04	- 14	- 43	- 43	- 43	- 43	- 43	- 43
+ 100	+ 126	+ 126	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
+ 89	+ 47	+ 06	+ 29	+ 42	+ 94	+ 64	+ 36	+ 24	+ 23	+ 30	+ 34	+ 35	+ 40	+ 29	+ 19	+ 18	+ 18
+ 101	+ 102	+ 68	+ 153	+ 115	+ 108	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116
+ 43	+ 28	+ 28	+ 30	+ 126	+ 04	+ 94	+ 111	+ 69	+ 81	+ 97	+ 84	+ 28	+ 27	+ 28	+ 28	+ 28	+ 28
- 14	- 13	- 63	- 69	- 76	- 60	- 42	- 36	- 19	+ 31	+ 24	- 18	- 29	- 26	- 26	- 26	- 26	- 26
+ 63	+ 63	+ 57	+ 69	+ 57	+ 87	+ 60	+ 76	+ 67	+ 93	+ 18	+ 18	- 37	- 28	- 64	- 43	+ 21	+ 21
+ 48	+ 49	- 09	+ 33	- 07	+ 35	+ 49	+ 65	+ 69	+ 87	+ 02	- 10	+ 10	+ 11	+ 11	+ 11	+ 11	+ 11
+ 91	+ 123	+ 128	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 60	- 52	- 17	+ 28	- 11	+ 21	+ 04	+ 33	- 05	- 10	- 04	- 14	- 43	- 43	- 43	- 43	- 43	- 43
+ 100	+ 126	+ 126	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
+ 89	+ 47	+ 06	+ 29	+ 42	+ 94	+ 64	+ 36	+ 24	+ 23	+ 30	+ 34	+ 35	+ 40	+ 29	+ 19	+ 18	+ 18
+ 101	+ 102	+ 68	+ 153	+ 115	+ 108	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116
+ 43	+ 28	+ 28	+ 30	+ 126	+ 04	+ 94	+ 111	+ 69	+ 81	+ 97	+ 84	+ 28	+ 27	+ 28	+ 28	+ 28	+ 28
- 14	- 13	- 63	- 69	- 76	- 60	- 42	- 36	- 19	+ 31	+ 24	- 18	- 29	- 26	- 26	- 26	- 26	- 26
+ 63	+ 63	+ 57	+ 69	+ 57	+ 87	+ 60	+ 76	+ 67	+ 93	+ 18	+ 18	- 37	- 28	- 64	- 43	+ 21	+ 21
+ 48	+ 49	- 09	+ 33	- 07	+ 35	+ 49	+ 65	+ 69	+ 87	+ 02	- 10	+ 10	+ 11	+ 11	+ 11	+ 11	+ 11
+ 91	+ 123	+ 128	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 08	- 11	- 32	- 30	- 126	- 04	- 94	- 111	- 69	- 81	- 97	- 84	- 28	- 27	- 29	- 36	- 23	- 23
- 60	- 52	- 17	+ 28	- 11	+ 21	+ 04	+ 33	- 05	- 10	- 04	- 14	- 43	- 43	- 43	- 43	- 43	- 43
+ 100	+ 126	+ 126	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
+ 89	+ 47	+ 06	+ 29	+ 42	+ 94	+ 64	+ 36	+ 24	+ 23	+ 30	+ 34	+ 35	+ 40	+ 29	+ 19	+ 18	+ 18
+ 101	+ 102	+ 68	+ 153	+ 115	+ 108	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116	+ 116
+ 43	+ 28	+ 28	+ 30	+ 126	+ 04	+ 94	+ 111	+ 69	+ 81	+ 97	+ 84	+ 28	+ 27	+ 28	+ 28	+ 28	+ 28
- 14	- 13	- 63	- 69	- 76	- 60	- 42	- 36	- 19	+ 31	+ 24	- 18	- 29	- 26	- 26	- 26	- 26	- 26
+ 63	+ 63	+ 57	+ 69	+ 57	+ 87	+ 60	+ 76	+ 67	+ 93	+ 18	+ 18	- 37	- 28	- 64	- 43	+ 21	+ 21
+ 48	+ 49	- 09	+ 33	- 07	+ 35	+ 49	+ 65	+ 69	+ 87	+ 02	- 10	+ 10	+ 11	+ 11	+ 11	+ 11	+ 11
+ 91	+ 123	+ 128	+ 131	+ 128	+ 161	+ 163	+ 201	+ 183	+ 175	+ 186	+ 174	+ 112	+ 110	+ 128	+ 144	+ 144	+ 144
- 08																	

NAME OF MAKER.	No.	Whether on Days.	ADDRESS OF MAKER.	Construction of Equipment and Balance, from the Description furnished by the Maker.	(III).—ABSTRACT OF THE			
					First Day of Rating.	Last Day of Rating.	Number of Weeks.	Least Weekly Sum.
Kullberg	4067	2	105, Liverpool Road, N.	Reversed detent, with short spring.	January 13	July 28	28	-11-8
Robinson	3077	2	106, Howard Street, North Shields.	Auxiliary to balance. Airy's compensation arm.	January 13	July 28	28	-11-8
James Poole & Co.	5780	2	33, Spencer Street, Clerkenwell, E.C.	Poole's auxiliary. Palladium spring.	January 13	July 28	28	-6-0
Kullberg	4070	2	105, Liverpool Road, N.	Reversed detent, with short spring.	January 13	July 28	28	+7-5
Williams	3664	2	3, Bute Docks, Cardiff.	Ordinary balance, with auxiliary compensation.	January 13	July 28	28	-0-6
Isaac	1668	2	10, Spencer Street, Clerkenwell, E.C.	Balance, without auxiliary.	January 13	July 28	28	-1-6
Langford	1883	2	53, Quay, Bristol.	Flat rim balance, with fine adjustment.	January 13	July 28	28	-10-4
Robinson	3078	2	106, Howard Street, North Shields.	Auxiliary to balance.	January 13	July 28	28	-1-6
Sevell	3607	2	43, South Castle Street, Liverpool.	Auxiliary compensation.	January 13	July 28	28	-17-1
Fyot	488	2	74, West India Dock Road, E.	Ordinary balance, with slight addition.	January 13	July 28	28	-7-9
James Poole & Co.	5762	2	33, Spencer Street, Clerkenwell, E.C.	Poole's auxiliary.	January 13	July 28	28	-7-9
David Reid	1641	2	89, Grey Street, Newcastle-on-Tyne.	Auxiliary to balance. Airy's compensation arm.	January 13	July 28	28	-8-1
Mercer	3746	2	161, Garsell Road, E.C.	Ordinary balance, with auxiliary compensation.	January 13	July 28	28	+3-0
Lister and Sons	824	2	15, Mosley Street, Newcastle-on-Tyne.	Poole's auxiliary. Airy's compensation arm.	January 13	July 28	28	-13-6
Williams	3690	2	3, Bute Docks, Cardiff.	Auxiliary compensation.	January 13	July 28	28	-7-7
Bishop	5564	2	20, Bunhill Row, London.	Auxiliary for extremes of temperature.	January 13	July 28	28	-13-8
Moore	5756	2	162, High Street, Belfast.	Auxiliary to balance. Airy's compensation arm.	January 13	July 28	28	+4-2
Heinrich	3	2	161, Garsell Road, E.C.	Heinrich's patent auxiliary.	January 13	July 28	28	+6-5
C. Frodsham & Co.	3597	2	84, Strand, W.C.	Charles Frodsham's three-bar compensation balance.	January 13	July 28	28	+0-5
Lawson	3353	2	241, Liverpool Buildings, Liverpool Road, N.	Auxiliary, acting in extreme temperatures.	January 13	July 28	28	-9-8
David Reid	5599	2	29, Grey Street, Newcastle-on-Tyne.	Airy's compensation arm.	January 13	July 28	28	-18-8
Lister and Sons	825	2	15, Mosley Street, Newcastle-on-Tyne.	Poole's auxiliary.	January 13	July 28	28	-8-0
Webb	5566	2	90, High Street, Islington, N.	Auxiliary compensation.	January 13	July 28	28	-8-4
Nelson	3629	2	435, New Cross Road, S.E.	Auxiliary gaining in cold. Airy's compensation	January 13	July 28	28	-15-7
Reid and Sons	5785	2	41, Grey Street, Newcastle-on-Tyne.	Auxiliary to balance.	January 13	July 28	28	+6-8
Sevell	3665	2	61, South Castle Street, Liverpool.	Auxiliary compensation.	January 13	July 28	28	-13-9
Nelson	3636	2	435, New Cross Road, S.E.	Auxiliary gaining in cold. Airy's compensation	January 13	July 28	28	-15-7
Oram and Son	19181	2	19, Whittington Square, W.C.	Ordinary balance.	January 13	July 28	28	+9-8
Birchall	1382	2	12A, Stonefield Street, Islington, N.	Ordinary balance, with slight alterations.	January 13	July 28	28	-19-7
Webb	5565	2	90, High Street, Islington, N.	Auxiliary compensation.	January 13	July 28	28	-18-0
Smith	6299	2	48, Southside Street, Plymouth.	Double auxiliary to balance.	January 13	July 28	28	+4-6
C. Frodsham & Co.	3598	2	84, Strand, W.C.	Charles Frodsham's three-bar compensation balance.	January 13	July 28	28	-15-1
Reid and Sons	5781	2	41, Grey Street, Newcastle-on-Tyne.	Auxiliary to balance. Palladium spring.	January 13	July 28	28	-17-7
Keys	380	2	15, Craven Street, Strand, W.C.	Ordinary balance, with Airy's compensation arm.	January 13	July 28	28	-1-5
Hennessey	3644	2	5, Wind Street, Swansea.	Auxiliary compensation to balance.	January 13	July 28	28	-9-8
Schoof	6050	2	29, St. John Street Road, E.C.	Schoof's improved resilient lever escapement.	January 13	July 28	28	+7-0
Oram and Son	19150	2	19, Whittington Square, W.C.	Auxiliary compensation.	January 13	July 28	28	+12-3
Keys	450	2	15, Craven Street, Strand, W.C.	Auxiliary compensation.	January 13	July 28	28	-0-7
Mercer	3664	2	161, Garsell Road, E.C.	Ordinary balance, with auxiliary compensation.	January 13	July 28	28	+1-1
Hennessey	3664	2	5, Wind Street, Swansea.	Auxiliary compensation to balance.	January 13	May 5	16	-11-1

The sign + indicates that the rate is gaining.

† During these weeks the Chronometers were placed in the chamber of a stove heated by jets of gas. The gas flames are exterior to the chamber, into which none of the injurious products of combustion can enter. In the column "Before and after what Day" the positions of the symbol (†), before or after the date, indicate respectively exposure to heat in the week immediately preceding, or in the week immediately following.

PRINCIPAL CHANGES OF RATE.						NAME OF MAKER.	No.
In what Week.	Greatest Weekly Sum.	In what Week.	Difference between the Greatest and Least.	Greatest Difference between one Week and the next.	Before and after what Day.		
May 19 to 26†	- 3-6	March 31 to April 7	8-2	3-4	† June 16	Kullberg	4067
March 13 to 20	+ 10-3	May 5 to 12	11-3	4-6	† May 12	Robinson	3077
March 31 to April 7	+ 3-3	January 27 to Feb. 3	9-8	6-5	† March 31	James Poole and Co.	5780
January 13 to 20	+ 18-4	April 14 to 21	10-9	5-8	† March 24†	Kullberg	4070
January 20 to 27	+ 12-3	May 5 to 12	12-9	5-5	May 19†	Williams	3664
February 24 to March 3							
May 19 to 26†	+ 10-6	April 7 to 14	12-3	6-6	† June 16	Isaac	1668
March 13 to 20	+ 4-9	June 3 to 10	15-3	5-4	† March 31	Langford	1883
March 3 to 10†	+ 3-6	June 23 to 30	18-6	4-0	† June 16	Robinson	3078
January 20 to 27	+ 28-1	March 24 to 31	11-3	8-4	† March 31	Sevell	3607
June 12 to 23	+ 1-1	June 2 to 9†	10-7	9-4	† June 16	Fyot	488
January 13 to 20	+ 8-7	July 14 to 21	16-6	6-7	† March 31	James Poole and Co.	5762
April 21 to 28	+ 6-9	June 30 to July 7	15-0	7-3	† March 31	David Reid	1641
January 20 to 27	+ 20-1	July 7 to 14	17-1	6-9	March 3†	Mercer	3746
June 12 to 23	+ 5-9	January 27 to Feb. 3	19-5	5-8	Jan. 27†	Lister and Sons	824
February 3 to 10	+ 4-8	July 14 to 21	12-5	9-6	March 3†	Williams	3690
January 20 to 27	+ 3-3	July 7 to 14	17-1	8-8	March 3†	Bishop	5564
January 27 to Feb. 3	+ 20-9	June 9 to 16†	10-7	9-1	March 3†	Moore	5756
March 31 to April 7	+ 63-1	May 12 to 19	14-6	11-3	† March 31	Heinrich	3
March 3 to 10†	+ 21-3	May 3 to 12	20-8	9-9	April 7†	C. Frodsham and Co.	3597
February 24 to March 3	+ 18-7	July 7 to 14	28-5	6-3	† March 10†	Lawson	3353
January 27 to Feb. 3	- 1-1	July 7 to 14	17-7	11-7	March 3†	David Reid	5599
March 31 to April 7	+ 15-2	July 7 to 14	23-2	9-0	May 19†	Lister and Sons	825
February 24 to March 3	+ 35-2	June 2 to 9†	13-9	19-3	† March 31	Webb	5566
January 27 to Feb. 3	+ 8-4	January 27 to Feb. 3	22-1	11-0	† March 31	Nelson	3629
February 24 to March 3	+ 35-2	July 21 to 28	28-4	8-5	† March 31	Reid and Sons	5785
May 12 to 19	+ 9-9	March 24 to 31	19-1	13-4	May 19†	Sevell	3665
February 24 to March 3	+ 12-3	June 3 to 10†	22-4	13-8	March 3†	Nelson	3636
January 20 to 27	+ 41-1	July 21 to 28	31-3	11-0	March 3†	Oram and Son	19181
May 26 to June 3†	+ 6-6	April 14 to 21	26-3	17-3	May 19†	Birchall	1382
March 17 to 24†	+ 9-9	April 21 to 28	27-9	18-5	March 3†	Webb	5565
June 3 to 10†	+ 39-3	July 14 to 21	34-4	15-6	May 19†	Smith	6299
March 9 to 16†	+ 15-6	January 13 to 20	30-7	18-1	May 19†	C. Frodsham and Co.	3598
February 17 to 24	+ 14-9	May 26 to June 3†	33-6	18-4	March 3†	Reid and Sons	5781
January 20 to 27	+ 31-4	June 2 to 9†	32-6	23-5	† March 31	Keys	380
January 20 to 27	+ 25-0	May 12 to 19	34-8	22-0	March 3†	Hennessey	3644
January 13 to 20	+ 67-4	May 26 to June 3†	60-4	10-9	† May 26†	Schoof	6050
March 3 to 10†	+ 43-9	May 12 to 19	31-6	29-7	May 19†	Oram and Son	19150
January 13 to 20	+ 69-5	July 21 to 28	70-2	15-6	May 19†	Keys	450
June 30 to July 7	+ 12-5	April 21 to 28	10-5	5-7	March 3†	Mercer	3664
March 3 to 10†	+ 6-4	April 21 to 28	16-5	9-2	March 3†	Hennessey	3664

The Chronometers are placed in order of merit, their respective positions being determined by consideration of the irregularities of rate exhibited in the Table above.
Mercer 3664. The main spring of this Chronometer was found broken in the twelfth week of the trial. It was removed by the maker on April 9, and repaired again on April 12.

Hennessey 3664. The main spring of this Chronometer was found broken in the seventeenth week of the trial. It was removed by the maker on May 28.