

RATES OF CHRONOMETERS

ON TRIAL

FOR PURCHASE BY THE BOARD OF ADMIRALTY,

AT THE

ROYAL OBSERVATORY, GREENWICH.

1865.

NAME OF MAKER.	No.	Whether a No. 2 Days.	Construction of Escapement and Balance, from the Description furnished by the Maker.	(I.) WEEKLY SUMS OF DAILY RATES											
				Jan. 7-14	Jan. 14-21	Jan. 21-28	Jan. 28-Feb. 4	Feb. 4-11	Feb. 11-18	Feb. 18-25	Feb. 25-Mar. 4	Mar. 4-11	Mar. 11-18	Mar. 18-25	Mar. 25-Apr. 1
Webb	5388	2	Auxiliary as in former years.	- 6.5	- 4.6	- 3.9	- 6.0	- 5.2	- 6.4	- 3.9	- 3.6	- 1.7	- 6.7	- 6.3	- 7.5
Lister and Sons	608	2	Pool's auxiliary.	+ 1.7	+ 4.4	+ 4.2	+ 2.8	+ 6.1	+ 9.3	+ 9.3	+ 1.2	+ 2.2	+ 2.2	+ 2.2	+ 2.2
Dent	3000	2	Dent's patent balance.	- 4.5	- 1.5	- 2.1	- 3.2	- 3.7	- 2.1	- 5.6	- 7.4	- 3.4	- 11.8	- 11.0	- 10.8
Dobble	3715	2	Auxiliary compensation.	- 2.9	- 2.0	- 3.5	- 0.6	- 3.6	- 6.5	- 6.0	- 1.5	- 1.0	- 1.3	- 9.3	- 9.3
C. M. Frodham, Jun.	3715	2	Usual balance, with continuous auxiliary.	+ 2.9	+ 2.8	+ 8.1	+ 7.5	+ 4.6	+ 6.0	+ 6.0	+ 6.0	+ 6.2	+ 16.0	+ 13.5	+ 16.0
W. P. Birchall	11	2	Ordinary balance, with slight alteration.	- 11.9	- 13.3	- 18.7	- 12.9	- 15.4	- 15.6	- 13.9	- 16.1	- 17.8	- 18.4	- 15.5	- 10.5
Childenden	710	2	Auxiliary, unpublished.	- 10.4	- 6.9	- 0.7	- 0.5	- 5.8	- 0.2	- 8.4	- 10.3	- 9.9	- 8.7	- 12.5	- 13.5
Seville	1990	2	Auxiliary compensation.	- 6.2	- 2.5	- 0.3	- 2.1	- 2.3	- 0.1	- 2.4	- 3.5	- 3.9	- 3.4	- 1.6	- 0.8
Quilliam	5429	2	Auxiliary acting in cold.	+ 4.4	+ 5.7	+ 6.6	+ 5.2	+ 1.2	+ 1.4	+ 2.7	+ 0.8	+ 2.5	+ 9.9	+ 1.7	- 0.9
Riffe	562	8	Auxiliary compensation to pendulum spring.	- 8.9	- 7.7	- 6.0	- 9.0	- 10.5	- 7.5	- 14.1	- 15.8	- 15.0	- 9.5	- 7.6	- 10.0
Lister and Sons	598	2	Pool's auxiliary.	+ 0.4	+ 1.5	+ 0.1	- 0.6	- 1.5	+ 0.6	- 1.6	- 2.0	- 1.2	- 3.7	- 1.0	- 1.0
McGregor and Co.	3777	2	Auxiliary compensation.	- 10.1	- 1.7	- 9.8	- 11.5	- 11.0	- 10.0	- 10.9	- 8.4	- 16.4	- 13.0	- 13.0	- 13.0
Hennessy	3264	2	Kullberg's flat rim balance, without auxiliary.	- 2.5	- 3.4	- 1.4	- 4.6	- 4.6	- 1.2	- 3.0	- 5.7	- 4.0	- 7.5	- 6.8	- 7.0
Calrus	789	2	Pool's auxiliary.	- 2.5	- 2.7	- 7.8	- 1.2	- 2.9	+ 7.5	- 0.0	- 2.1	- 0.0	- 1.5	+ 2.3	+ 2.3
Calrus	789	2	Pool's auxiliary.	+ 2.2	+ 4.8	+ 3.9	+ 3.2	+ 1.8	+ 2.0	+ 2.5	+ 1.9	+ 3.6	+ 4.2	+ 3.9	+ 3.9
Calrus	792	2	Pool's auxiliary.	- 1.0.3	+ 1.2	+ 9.5	+ 8.3	+ 8.1	+ 9.0	+ 3.3	+ 4.6	+ 3.6	- 3.0	- 1.1	- 1.1
Clark and Son	5398	2	Pool's auxiliary.	- 4.5	- 2.3	- 6.1	- 9.0	- 6.8	- 4.4	- 6.9	- 6.6	- 3.3	- 3.6	- 5.0	- 5.0
Pool	3832	2	Pool's auxiliary.	+ 3.2	+ 6.0	+ 6.5	+ 6.8	+ 6.3	+ 2.7	+ 1.5	+ 3.0	+ 4.0	+ 10.0	+ 14.4	+ 14.4
Marthand and Son	3686	2	Pool's auxiliary.	- 14.3	- 16.0	- 24.3	- 23.7	- 25.5	- 23.7	- 27.3	- 28.8	- 25.1	- 17.5	- 17.4	- 17.4
T. Campbell	1001	2	Ordinary balance, with slight alteration.	+ 1.8	+ 1.2	+ 1.4	+ 2.0	+ 1.9	+ 1.8	+ 2.3	+ 3.0	+ 2.2	+ 1.8	+ 2.6	+ 2.6
Hennessy	3744	2	Pool's auxiliary.	+ 2.8	+ 2.9	+ 5.9	+ 6.4	+ 5.1	+ 5.5	+ 3.0	- 1.4	- 2.1	- 1.8	+ 4.5	+ 4.5
Reid and Son	1228	2	Auxiliary compensation to the balance.	- 2.0	- 1.5	- 2.9	- 1.0	- 1.0	- 1.9	- 4.1	- 6.0	- 5.0	- 3.8	- 4.2	- 4.2
Marshall	2000	2	Mercurial auxiliary to the balance.	+ 7.4	+ 2.7	+ 0.4	+ 1.1	+ 1.3	- 0.9	+ 2.4	+ 4.0	+ 3.8	+ 11.8	+ 4.4	+ 4.4
Reid and Son	1245	2	Auxiliary compensation to the balance.	- 2.1	- 2.0	- 1.8	- 0.0	- 0.9	- 6.1	- 2.5	- 0.1	- 0.4	- 3.8	- 0.3	- 0.3
Gowland	2736	2	Auxiliary compensation.	- 8.5	- 3.9	- 3.2	- 4.3	- 3.4	- 1.0	- 2.1	- 4.5	- 2.4	- 3.5	- 6.2	- 6.2
Parkinson and Beets	1007	2	Ordinary construction.	+ 0.5	+ 0.5	- 7.5	- 0.0	- 8.8	- 8.2	- 6.4	+ 4.5	+ 4.9	+ 11.6	+ 10.0	+ 10.0
T. Campbell	1007	2	Ordinary balance, with slight alteration.	+ 1.1	+ 7.0	+ 0.9	+ 5.0	+ 4.5	+ 3.1	+ 9.5	+ 9.5	+ 11.0	+ 17.4	+ 16.3	+ 16.3
Crisp	649	2	Auxiliary compensation acting in heat.	- 28.9	- 27.4	- 29.9	- 28.4	- 29.8	- 29.0	- 27.6	- 27.4	- 25.1	- 28.9	- 30.1	- 30.1
W. P. Birchall	841	2	Ordinary balance, with slight alteration.	- 1.8	- 1.8	- 1.8	- 1.8	- 1.8	- 1.8	- 1.8	- 1.8	- 1.8	- 1.8	- 1.8	- 1.8
Pool	3867	2	Pool's auxiliary.	+ 6.0	+ 9.4	+ 7.5	+ 6.5	+ 4.8	+ 5.7	+ 4.3	+ 2.4	+ 4.2	+ 14.4	+ 16.5	+ 16.5
C. Frodham	3316	2	Usual balance, with supplementary compensation.	- 0.7	+ 0.3	+ 2.4	- 1.9	- 1.1	+ 8.2	+ 1.7	+ 1.4	+ 3.0	+ 11.0	+ 11.5	+ 11.5
Bruton	354	2	Auxiliary to balance, unpublished.	+ 1.5	+ 1.9	+ 26.1	+ 22.9	+ 18.3	+ 18.0	+ 19.5	+ 21.9	+ 19.6	+ 22.0	+ 22.0	+ 22.0
Brotherton	4727	2	Ordinary construction, with slight alteration.	+ 3.8	- 2.7	- 7.8	+ 3.6	+ 1.3	- 9.4	- 2.0	+ 5.1	+ 4.9	+ 11.0	+ 14.4	+ 14.4
C. Frodham	3342	2	Usual balance, with supplementary compensation.	+ 2.8	+ 2.1	+ 9.0	+ 6.5	+ 6.8	+ 1.5	+ 6.0	+ 5.0	+ 4.4	+ 9.0	+ 12.5	+ 12.5
Jürgensen	100	2	Gold pendulum spring; ordinary balance.	- 6.6	- 6.6	- 16.1	- 8.3	- 11.5	- 16.0	- 7.5	- 4.0	+ 5.0	+ 5.0	- 6.0	- 6.0
McGregor and Son	3786	2	Pool's auxiliary.	- 1.5	+ 2.9	- 16.0	- 8.5	- 13.2	- 13.1	- 14.1	- 14.5	- 13.0	- 16.5	- 11.4	- 11.4
McGregor and Co.	3704	2	Pool's auxiliary.	- 7.1	- 5.9	- 9.0	- 9.0	- 10.0	- 10.0	- 10.0	- 10.0	- 10.0	- 10.0	- 10.0	- 10.0
Parkinson and Beets	1073	2	Ordinary construction.	+ 10.2	+ 12.2	+ 12.8	+ 0.3	- 8.4	- 12.5	- 6.4	+ 1.9	+ 1.8	+ 13.7	+ 17.0	+ 17.0
Russell and Son	9000	2	Kullberg balance, and simplified movement.	+ 3.2	+ 6.8	+ 8.9	+ 6.7	+ 7.7	- 13.7	+ 10.5	+ 9.0	+ 9.5	+ 10.0	+ 10.0	+ 10.0
Glover	330	2	Auxiliary acting in cold.	- 18.1	- 15.3	- 18.9	- 14.0	- 19.0	- 19.0	- 19.0	- 19.0	- 19.0	- 19.0	- 19.0	- 19.0
C. M. Frodham, Jun.	3362	2	Usual balance, with auxiliary compensation.	+ 7.7	+ 6.4	+ 3.7	+ 10.5	+ 5.9	+ 1.5	+ 10.6	+ 15.6	+ 15.5	+ 20.7	+ 20.4	+ 20.4
Dell, Brothers	1462	2	Auxiliary for extreme cold.	- 1.0	- 3.0	+ 24.9	+ 32.3	+ 37.7	+ 42.2	+ 33.5	+ 41.0	+ 42.2	+ 51.8	+ 51.8	+ 51.8
Glover	330	2	Auxiliary acting in cold.	- 0.5	- 1.0	- 2.5	- 1.3	- 1.0	- 2.0	- 3.6	- 3.4	- 4.0	- 6.4	- 13.8	- 13.8
Jürgensen	XXXI.	2	Gold pendulum spring; ordinary balance.	- 11.5	- 13.5	- 16.0	- 17.5	- 13.0	- 15.5	- 11.5	- 8.5	- 11.5	- 16.0	- 14.6	- 14.6
Henry and Son	528	2	Ordinary balance.	+ 2.9	+ 2.9	- 2.9	- 1.0	- 2.1	- 10.5	+ 7.4	+ 12.0	+ 12.4	+ 1.2	- 18.0	- 18.0
Webb	5449	2	Auxiliary as in former years.	- 4.0	- 9.0	- 8.0	- 7.5	- 9.3	- 11.2	- 9.5	- 8.0	- 6.5	- 12.5	- 12.5	- 12.5
Dent	3043	2	Dent's patent balance.	+ 1.56	+ 1.79	+ 1.60	+ 1.60	+ 1.52	+ 1.28	+ 1.24	+ 1.44	+ 1.52	+ 1.65	+ 2.12	+ 2.12
Chronometrical Thermometer	.....	.....	.....	+ 1220.5	+ 1223.0	+ 1214.1	+ 1257.4	+ 1880.0	+ 2008.0	+ 1645.9	+ 1270.0	+ 1391.5	- 281.0	- 890.0	- 890.0
Extremes of Temperature as shown by the Self-Registering Thermometers	.....	.....	.....	46-54	35-49	35-43	39-35	35-51	32-46	38-51	43-54	46-51	55-83	60-81	60-81

* During these weeks the North window of the Chronometer Room was left open.

† 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 ORDER OF TIME.																				NAME OR MAKER.		No.
Mar. 25 to Apr. 1	April 1-8	April 8-15	April 15-22	April 22-29	Apr. 29 May 6	May 6-13	May 13-20	May 20-27	May 27 to June 3	June 3-10	June 10-17	June 17-24	June 24 to July 1	July 1-8	July 8-15	July 15-22	July 22-29					
- 9.5	- 2.2	- 3.6	- 3.4	- 4.0	- 1.3	- 1.0	- 0.7	- 3.0	- 1.5	- 2.5	- 2.0	- 1.0	- 3.0	+ 2.0	+ 1.7	+ 0.9	+ 1.5	Webb	5388			
+ 6.2	+ 5.4	+ 4.4	+ 6.0	+ 6.2	+ 4.2	+ 6.2	+ 6.9	+ 8.1	+ 9.0	+ 8.4	+ 5.5	+ 3.5	+ 3.5	+ 4.0	+ 9.1	+ 10.9	+ 9.3	Lister and Sons	608			
- 10.8	- 10.8	- 10.7	- 7.5	- 8.5	- 6.6	- 7.2	- 6.5	- 10.2	- 8.0	- 11.0	- 11.0	- 8.9	- 9.4	- 7.9	- 8.5	- 8.7	- 8.8	Dent	3000			
+ 0.5	+ 0.5	+ 0.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	Dobble	3715			
+ 16.0	+ 16.0	+ 17.0	+ 15.5	+ 16.0	+ 18.1	+ 17.4	+ 17.7	+ 16.8	+ 18.1	+ 17.0	+ 15.0	+ 14.5	+ 14.0	+ 16.0	+ 14.0	+ 14.0	+ 14.0	C. M. Frodham, Jun.	3715			
- 10.5	- 11.0	- 10.9	- 8.5	- 12.3	- 9.5	- 6.4	- 6.1	- 11.3	- 10.9	- 10.1	- 8.5	- 8.5	- 10.5	- 8.6	- 10.3	- 7.1	- 9.2	W. P. Birchall	11			
- 1.5	- 0.2	- 1.5	- 0.8	- 1.7	- 2.5	- 2.4	- 1.5	- 2.1	- 2.9	- 3.1	- 1.3	- 1.0	- 1.0	- 2.5	- 2.2	- 1.4	- 0.1	Childenden	710			
- 0.9	- 0.6	- 2.1	+ 0.1	- 1.0	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	- 1.9	Seville	1990			
- 0.8	- 0.8	- 1.5	- 0.4	- 0.9	- 0.6	- 1.1	- 1.2	- 2.2	- 2.3	- 3.8	- 1.7	- 0.9	- 3.8	- 1.9	+ 5.3	+ 6.1	+ 8.6	Quilliam	5429			
- 1.0	- 0.8	- 8.3	- 4.9	- 8.8	- 6.9	- 4.4	- 3.3	- 4.6	- 1.6	- 2.0	- 5.0	- 9.0	- 11.8	- 9.9	- 3.9	- 1.9	- 1.0	Riffe	562			
+ 1.3	+ 1.2	+ 6.9	- 6.6	- 5.5	- 6.5	- 6.5	- 6.0	- 0.3	- 1.1	- 0.8	+ 4.0	+ 5.6	+ 4.9	+ 3.9	+ 0.1	+ 4.0	+ 3.8	Lister and Sons	598			
- 11.7	- 9.3	- 15.9	- 12.6	- 11.5	- 11.0	- 11.5	- 11.8	- 16.2	- 18.5	- 20.0	- 14.8	- 10.7	- 12.0	- 8.8	- 17.8	- 16.9	- 15.9	McGregor and Son	3777			
- 7.0	- 4.7	- 11.0	- 10.5	- 11.2	- 11.4	- 11.0	- 11.5	- 12.8	- 13.8	- 16.5	- 12.5	- 11.3	- 12.7	- 9.7	- 7.4	- 6.9	- 4.0	Calrus	3264			
+ 10.8	+ 12.7	+ 8.3	+ 9.9	+ 10.3	+ 11.0	+ 10.9	+ 10.9	+ 14.1	+ 12.0	+ 13.0	+ 14.2	+ 18.3	+ 19.2	+ 18.5	+ 21.7	+ 22.6	+ 22.2	Cairns	789			
- 1.3	- 0.7	+ 1.0	+ 3.5	+ 5.5	+ 7.1	+ 7.1	+ 8.1	+ 8.2	+ 7.9	+ 8.1	+ 3.5	+ 6.2	+ 1.3	+ 3.5	+ 10.4	+ 12.1	+ 13.2	Cairns	792			
+ 3.0	+ 6.3	+ 0.6	- 2.4	- 3.7	- 3.3	- 4.2	- 0.0	+ 0.3	+ 0.8	+ 4.5	+ 5.0	+ 6.3	+ 6.8	+ 4.0	+ 7.1	+ 7.8	+ 7.8	Clark and Son	5398			
+ 13.5	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	Pool	3832			
+ 13.5	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	+ 11.8	Marthand and Son	3686			
+ 8.59	+ 30.5	+ 27.1	+ 27.1	+ 23.3	+ 26.2	+ 27.8	+ 25.6	+ 21.0	+ 24.0	+ 22.0	+ 28.2	+ 34.3	+ 31.0	+ 32.9	+ 24.5	+ 23.7	+ 21.6	T. Campbell	1001			
+ 6.4	+ 5.9	+ 6.4	+ 6.9	+ 6.8	+ 8.0	+ 7.7	+ 7.9	+ 9.6	+ 9.8	+ 9.0	+ 2.5	- 1.0	+ 0.5	+ 0.9	+ 10.9	+ 12.5	+ 12.6	Hennessy	3744			
+ 10.8	+ 10.8	+ 10.7	+ 7.5	+ 8.5	+ 6.6	+ 7.2	+ 6.5	+ 10.2	+ 8.0	+ 11.0	+ 11.0	+ 8.9	+ 9.4	+ 7.9	+ 8.5	+ 8.7	+ 8.8	Held and Sons	1228			
+ 0.5	+ 0.5	+ 0.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	Marshall	2060			
+ 16.0	+ 16.0	+ 17.0	+ 15.5	+ 16.0	+ 18.1	+ 17.4	+ 17.7	+ 16.8	+ 18.1	+ 17.0	+ 15.0	+ 14.5	+ 14.0	+ 16.0	+ 14.0	+ 14.0	+ 14.0	Gowland	2736			
+ 9.5	+ 2.2	+ 3.6	+ 3.4	+ 4.0	+ 1.3	+ 1.0	+ 0.7	+ 3.0	+ 1.5	+ 2.5	+ 2.0	+ 1.0	+ 3.0	+ 2.0	+ 1.7	+ 0.9	+ 1.5	Parkinson and Bents	1057			
+ 6.2	+ 5.4	+ 4.4	+ 6.0	+ 6.2	+ 4.2	+ 6.2	+ 6.9	+ 8.1	+ 9.0	+ 8.4	+ 5.5	+ 3.5	+ 3.5	+ 4.0	+ 9.1	+ 10.9	+ 9.3	T. Campbell	1000			
- 10.8	- 10.8	- 10.7	- 7.5	- 8.5	- 6.6	- 7.2	- 6.5	- 10.2	- 8.0	- 11.0	- 11.0	- 8.9	- 9.4	- 7.9	- 8.5	- 8.7	- 8.8	Craig	649			
+ 0.5	+ 0.5	+ 0.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	+ 1.5	Pool	3867			
+ 16.0	+ 16.0	+ 17.0	+ 15.5	+ 16.0	+ 18.1	+ 17.4	+ 17.7	+ 16.8	+ 18.1	+ 17.0	+ 15.0	+ 14.5	+ 14.0	+ 16.0	+ 14.0	+ 14.0	+ 14.0	C. Frodham	3316			
+ 11.3	+ 10.2	+ 6.3	+ 9.7	+ 11.5	+ 11.0	+ 11.0	+ 11.4	+ 11.7	+ 14.8	+ 19.3	+ 23.7	+ 25.8	+ 17.5	+ 18.0	+ 1.1	+ 1.5	+ 2.3	Bratton	554			
+ 20.4	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	+ 17.1	Brotherton	4737			
+ 0.7	+ 0.7	+ 1.2	+ 0.8	+ 0.5	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	Jürgensen	1000			
+ 0.7	+ 0.7	+ 1.2	+ 0.8	+ 0.5	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	Marthand and Son	3786			
+ 1.4	+ 1.6	+ 1.1	+ 1.8	+ 1.9	+ 1.5	+ 1.8	+ 2.0	+ 1.9	+ 1.7	+ 1.9	+ 1.8	+ 1.2	+ 1.4	+ 1.9	+ 2.0	+ 1.9	+ 1.2	McGregor and Co.	3704			
+ 4.0	- 3.0	- 7.1	- 8.2	- 10.7	- 9.5	- 10.0	- 10.9	- 7.5	- 9.0	- 10.0	- 6.9	- 5.5	- 8.5	- 8.1	- 18.6	- 20.9	- 19.7	Parkinson and Bents	1073			
+ 0.9	- 1.0	- 11.2	- 9.8	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	Glover	3000			
+ 29	+ 10	- 11.2	- 9.8	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	C. M. Frodham, Jun.	3562			
+ 29	+ 10	- 11.2	- 9.8	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	Dell	1462			
+ 29	+ 10	- 11.2	- 9.8	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	Glover	331			
+ 29	+ 10	- 11.2	- 9.8	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	- 7.5	Curry and Son	628			
- 7.9	- 5.4	- 15.8	- 13.0	- 17.2	- 13.2	- 13.3	- 10.5	- 16.4	- 15.6	- 17.0	- 7.0	+ 23.7	+ 24.8	+ 34.0	- 20.9	- 13.9	- 13.5	Webb	5449			
																		Jent		3043		
+ 307	+ 221	+ 173	+ 160	+ 161	+ 181	+ 177	+ 183	+ 192	+ 199	+ 219	+ 227	+ 233	+ 245	...	...	...	...	Chemical Thermometer				
- 729	- 1395	+ 1085	- 1610	- 503	+ 339	+ 251	+ 329	- 415	- 186	- 445	- 1719	- 2335	- 2302	- 2359	- 301	- 339	- 735	(Degrees of Temperature shown by the Self-Regulating Thermometer)				

NAME or MAKER.	No.	Whether Self-Registering or Not	Construction of Receptment and Balance. Description furnished by the Maker.	(11).—WEEKLY SUMS OF DAILY RATES											
				Feb. 11-18	Jan. 21-28	Feb. 4-11	Feb. 18-25	Feb. 25-4	Mar. 11-18	Feb. 18-25	Mar. 4-11	Mar. 18-25	Mar. 25-4	Apr. 11-18	Apr. 18-25
Webb.....	5388	2	Auxiliary as in former years.	-64	-39	-25	-39	-46	-60	-17	-26	-65	-13	-97	-97
Lister and Sons.....	608	2	Pole's auxiliary.	+23	+44	+91	+03	+44	+29	-92	-13	+17	+42	+69	+69
Dent.....	2809	2	Dent's patent balance.	-21	-21	-27	-27	-27	-27	-27	-27	-27	-27	-27	-27
Dobbin.....	3715	3	Auxiliary compensation.	-63	-35	-36	-50	-20	+04	-10	-15	-24	+20	+10	+10
C. M. Frohman, Junr.....	3715	3	Usual balance, with continuous auxiliary.	-63	-35	-49	-60	+85	+75	+62	+60	+69	+280	+187	+157
W. P. Birchall.....	11	2	Ordinary balance, with slight alteration.	-195	-187	-154	-129	-133	-129	-178	-161	-119	-95	-61	-61
Cliffenden.....	710	2	Auxiliary, unaltered.	+02	-07	-58	-64	-69	-45	-96	-105	-104	-25	-13	-13
Sevill.....	1950	2	Auxiliary compensation.	-01	-05	-23	-24	-25	-21	-30	-35	-62	-19	-12	-12
Quilliam.....	5429	2	Auxiliary acting in cold.	+14	-6	-12	-27	-27	+23	+25	+05	+04	+01	+12	+12
Effe.....	562	8	Auxiliary compensation to pendulum spring.	-75	-60	-103	-141	-77	-00	-150	-159	-89	-69	-93	-93
Lister and Sons.....	598	2	Pole's auxiliary.	+04	+01	-13	-16	-15	-06	-12	-20	-04	-65	-60	-60
McGregor and Co.....	3777	2	Auxiliary compensation to the balance.	-00	-98	-110	-109	-117	-115	-84	-102	-151	-110	-118	-118
Kullberg.....	9006	2	Kullberg's flat rim balance, without auxiliary.	+12	+14	-46	-30	-34	-46	-40	-57	-75	-114	-115	-115
Hennessy.....	3964	2	Pole's auxiliary.	+75	+78	+29	+00	+27	+12	+00	+21	+25	+06	+20	+20
Cairns.....	789	2	Pole's auxiliary.	+20	+35	+18	+25	+48	+32	+36	+19	+75	+110	+109	+109
Cairns.....	792	2	Pole's auxiliary.	+50	+95	+81	+33	+132	+83	+36	+46	+103	+71	+81	+81
Clark and Son.....	3398	2	Auxiliary compensation to the balance.	-44	-61	-68	-69	-23	-00	-33	-68	-45	-41	-42	-42
Pole.....	3832	2	Pole's auxiliary.	+27	+65	+43	+15	+60	+68	+36	+30	+31	+22	+183	+183
McGregor and Co.....	3066	2	Auxiliary compensation to the balance.	-207	-143	-255	-273	-167	-107	-289	-289	-289	-289	-289	-289
T. Campbell.....	1001	2	Ordinary balance, with slight alteration.	+186	+154	+191	+213	+192	+200	+228	+230	+181	+264	+268	+268
Hennessy.....	3744	2	Pole's auxiliary.	+55	+59	+51	+30	+29	+64	+21	-14	+38	+80	+79	+79
Reid and Son.....	1228	2	Auxiliary compensation to the balance.	+19	+29	+19	-41	+15	+10	+00	+00	-20	-48	-58	-58
Marshall.....	2000	2	Mercurial auxiliary to balance.	-09	-04	+13	+24	+07	+11	+38	+40	+74	+177	+201	+201
Reid and Son.....	1243	2	Auxiliary compensation to the balance.	-61	-120	-59	-25	-20	-60	-04	-01	-21	-25	-59	-59
Gowland.....	2736	2	Auxiliary compensation.	+01	-32	-34	-21	-39	-45	-24	-43	-85	-27	-23	-23
Parkinson and Bous.....	1097	2	Ordinary construction.	-82	-75	-38	-04	+05	+00	+49	+45	+55	+145	+144	+144
T. Campbell.....	1000	2	Ordinary balance, with slight alteration.	+51	+03	+43	+30	+70	+20	+110	+92	+111	+165	+200	+200
Crip.....	649	2	Ordinary construction, with slight alteration.	-290	-299	-296	-275	-274	-284	-361	-374	-389	-394	-414	-414
P. Birchall.....	841	2	Ordinary balance, with slight alteration.	-110	-120	-94	-65	-95	-61	-44	-50	-61	-115	-152	-152
Pole.....	3816	2	Pole's auxiliary.	+27	+70	+48	+43	+94	+63	+42	+24	+60	+185	+119	+119
C. Frohman, Junr.....	3316	2	Usual balance, with supplementary compensation.	+82	+24	+14	+17	+03	-19	+30	+14	-07	+110	+114	+114
Bruton.....	354	2	Auxiliary to balance, unaltered.	+268	+281	+185	+180	+199	+229	+219	+195	+135	+68	+75	+75
Parkinson and Bous.....	4727	2	Ordinary construction, with slight alteration.	-94	-78	-13	-49	-73	-19	-18	-19	-109	-360	-378	-378
C. Frohman, Junr.....	3342	2	Usual balance, with supplementary compensation.	+90	+98	+86	+75	+41	-65	-53	-63	-25	+28	+30	+30
Jürgensen.....	100	2	Gold pendulum spring, ordinary balance.	-160	-161	-112	-75	-66	-89	-50	-40	-39	-36	+60	+60
Mailhead and Son.....	3786	2	Pole's auxiliary.	-131	-160	-123	-141	-29	-85	-130	-145	-15	-72	-88	-88
McGregor and Co.....	3704	2	Pole's auxiliary.	-100	-137	-96	-50	-29	-138	-128	-124	-71	-50	+59	+59
Parkinson and Bous.....	1073	2	Ordinary construction, with slight alteration.	-129	-128	-84	-54	-22	-03	+18	-19	-109	-360	-378	-378
Russell and Son.....	9000	2	Kullberg balance, and simplified movement.	+137	+89	+77	+105	+68	+67	+95	+90	+31	+25	+90	+90
Glover.....	3362	2	Auxiliary acting in cold.	-169	-185	-149	-120	-155	-140	-101	-109	-77	-45	+69	+69
C. M. Frohman, Junr.....	3362	2	Usual balance, with supplementary compensation.	+15	+37	+29	+106	+64	+105	+155	+120	-71	+75	+421	+421
Dell, Brothers.....	1462	2	Auxiliary for extreme cold.	+422	+349	+377	+535	+300	+323	+428	+410	+205	+60	+643	+643
Cliffenden.....	324	2	Auxiliary acting in cold.	+267	+252	+19	+36	+1	-173	-115	-82	-112	-109	+192	+192
Jürgensen.....	331	2	Gold pendulum spring, ordinary balance.	+103	-180	-120	-115	-123	-113	-115	-80	-40	-122	-105	-105
Henry and Son.....	628	8	Ordinary balance.	-103	-224	-221	+74	+30	+10	+124	+120	+39	+160	+160	+160
Webb.....	5440	2	Auxiliary as in former years.	-112	-80	-93	-95	-00	-75	-65	-80	-40	-122	-105	-105
Dent.....	3043	5	Dent's patent balance.	+128	+160	+152	+124	+179	+160	+152	+144	+156	+161	+183	+183
Chronometrical Thermometer.....	.....	.....	.....	+2308	+2184	+1880	+1645	+1620	+1074	+1391	+1370	+1239	+3395	+3395	+3395
Extraneous of Temperature as shown by the Self-Registering Thermometers.....	.....	.....	.....	32-46	35-43	35-31	38-51	39-49	39-53	46-51	45-54	46-54	52-69	55-66	55-66

* During these weeks the North window of the Chronometer Room was left open.

† 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 ORDER OF TEMPERATURE, AS DETERMINED BY THE CHRONOMETRICAL THERMOMETER.

IN THE ORDER OF INSPECTIONS MADE BETWEEN																NAME																No.
																M A K E R.																
Mar. 6-10	Mar. 10-22	Apr. 4-15	Apr. 22-29	May 7 to June 3	Mar. 11-18	Mar. 18-25	May 20-27	May 30-31	June 10-15	Mar. 10-15	Mar. 22-29	Mar. 18-25	Apr. 1-8	Apr. 10-17	June 10-17	June 24-30	July 1-8	July 15-22	July 29-30													
-10	-34	-34	-40	-62	-67	-67	-91	-85	-84	-109	-109	-71	-105	-92	-195	-110	-10	+20	Webb	5388												
-72	-75	-75	-83	-62	+96	+22	+91	+85	+84	-109	-109	-62	+93	+73	+54	+25	+35	+40	Lister and Sons	608												
-62	-60	-60	-69	-80	-118	-49	-102	-110	-62	-108	-108	-110	-109	-110	-109	-10	-70	-70	Dent	2809												
-174	+135	+170	+160	+181	+103	+103	+164	+168	+179	+164	+206	+135	+160	+150	+140	+145	+160	+160	C. M. Frohman, Junr.	3715												
-64	-85	-100	-123	-103	-184	-103	-113	-109	-71	-105	-92	-195	-110	-85	-105	-83	-86	-71	W. P. Birchall	11												
-09	-01	-21	-10	-29	-34	-34	-63	-21	-31	-13	-100	-100	-25	-02	-13	-23	-10	-32	Cliffenden	710												
-09	-01	-21	-10	-29	-34	-34	-63	-21	-31	-13	-100	-100	-25	-02	-13	-23	-10	-32	Sevill	1950												
-44	-49	-83	-88	-16	-95	-39	-39	-42	-30	-19	-100	-100	-75	-85	-118	-90	-99	-99	Effe	562												
-65	-66	-69	-95	-11	-35	-90	-63	-66	-31	-13	-40	-10	-12	+40	+49	+56	+29	+39	Lister and Sons	598												
-117	-117	-117	-118	-183	-164	-164	-209	-169	-117	-159	-130	-95	-143	-120	-107	-88	-107	-88	McGregor and Co.	3777												
-116	-105	-110	-112	-138	-75	-74	-128	-162	-69	-70	-40	-68	-47	-125	-127	-113	-107	-87	Kullberg	9006												
-111	-94	-93	-103	-103	-103	-103	-103	-103	-103	-103	-103	-103	-103	-103	-103	-103	-103	-103	Pole	3832												
+100	+83	+83	+103	+120	+43	+217	+141	+130	+226	+108	+222	+93	+127	+142	+192	+183	+185	+185	Cairns	789												
+71	+35	+10	+55	+79	+20	+104	+82	+81	+121	+135	+132	+11	-07	+35	+13	+05	+25	+25	Cairns	792												
+127	+149	+138	+146	+109	+174	+102	+148	+112	+181	+135	+169	+144	+118	+120	+95	+105	+89	+89	Clark and Son	3398												
-187	-184	-150	-189	-182	-175	-175	-245	-210	-237	+259	+216	+200	+300	+282	+310	+343	+329	+329	Pole	3816												
+278	+227	+221	+303	+404	+185	+245	+210	+210	+237	+259	+216	+200	+300	+282	+310	+343	+329	+329	T. Campbell	1001												
+77	+69	+64	+68	+98	+18	+109	+56	+50	+125	+64	+126	+46	+50	+23	+03	+10	00	00	Hennessy	3744												
+47	+38	+32	+50	+11	-23	-05	-115	-115	-103	-103	-103	-103	-103	-103	-103	-103	-103	-103	Reid and Son	1228												
+179	+185	+149	+167	+148	+118	+129	+141	+119	+142	+105	+133	+44	+50	+28	+18	+44	+80	+80	Marshall	2000												
-45	-15	-10	-25	-39	-38	-14	-32	-30	+16	+10	+134	+62	+43	+75	+13	+22	+04	+04	Gowland	2736												
-23	-28	-05	-07	-35	-08	-17	-93	-01	+25	+24	+62	+43	+75	+13	+22	+04	+04	+04														
+135	+133	+123	+127	+93	+116	+161	+103	+95	+15	+93	+10	+100	+80	+95	+23	-18	-12	-35	Parkinson and Bous.	1097												
+190	+165	+170	+165	+177	+174	+174	+177	+177	+177	+177	+177	+177	+177	+177	+177	+177	+177	+177	C. Frohman, Junr.	3316												
+117	+112	+93	+73	+110	+47	+92	+208	+61	+259	+229	+305	+246	+301	-270	-228	-178	-185	-142	Crip	649												
-68	-20	+35	-70	-19	+09	+39	+42	+05	+46	+77	+45	+75	+93	+37	+37	+83	+37	+37	P. Birchall	841												
-182	-187	+105	+188	+202	+144	+238	+125	+198	+211	+165	+224	+165	+109	+127	+157	+158	+164	+164	Pole	3816												
+11	+87	+63	+115	+48	+110	+161	+178	+195	+175	+113	+223	+115	+162	+217	+175	+178	+180	+180	C. Frohman, Junr.	3316												
+77	+84	+1	+103	+122	+196	+175	+140	+103	+175	+113	+223	+115	+162	+217	+175	+178	+180	+180	Bruton	354												
+119	+112	+93	+73	+110	+47	+92	+208	+61	+259	+229	+305	+246	+301	-270	-228	-178	-185	-142	Parkinson and Bous.	1073												
+32	+10	+30	+50	+86	+45	+188	+95	+89	+193	+27	+198	+55	+83	+109	+120	+112	+147	+122	C. Frohman, Junr.	3342												
+14	+40	+28	+39	+68	+35	+149	+72	+63	+116	+13	+111	00	95	32	90	70	130	100	Jürgensen	100												
-78	-79	-91	-78	-93	-185	-99	-89	-90	+17	+4	+12	-114	-97	-118	-73	-82	-65	-63	Mailhead and Son	3786												
+55	+82	+83	+66	+57	-02	+169	+68	+64	+201	+33	+181	+41	+17	+30	+20	+45	+43	+43	McGregor and Co.	3704												
-191	-181	-181	-205	-187	-166	-166	-208	-208	-208	-208	-208	-208	-208	-208	-208	-208	-208	-208	Parkinson and Bous.	1073												
-100	-82	-71	-107	-90	-109	-199	-75	-100	-204	-40	-199	-55	-30	-60	-25	-50	-08	-08	Russell and Son	9000												
-40	-88	-112	-75	-08	-75	-30	-06	-13	-22	22	02	+2	10	+115	+185	+182	+133	+133	Glover	3000												
+430	+422	+415	+439	+443	+207	+253	+456	+445	+742	+259	+471	+200	+291	+410	+365	+402	+416	+416	C. M. Frohman, Junr.	3362												
+602	+585	+590	+610	+610	+210	+254	+760	+763	+782	+227	+801	+387	+583	+855	+809	+847	+934	+934	Reid, Brothers	1462												
+307	+320	+320	+310	+310	+100	+100	+278	+278	+278	+278	+278	+278	+278	+278	+278	+278	+278	+278	McGregor and Co.	3704												
+317	+320	+320	+310	+310	+100	+100	+278	+278	+278	+278	+278	+278	+278	+278	+278	+278	+278	+278	Jürgensen	3316												
+196	+187	+180	+178	+156	+125	+115	+06	+106	+145	+116	+158	+93	+160	+224	+170	+285	+266	+266	Inny and Son	528												
-193	-190	-198	-178	-156	-125	-106	-14	-170	-109	-79	-195	-125	+54	+70	+248	+227	+340	+340	Webb	5449												
+179	+180	+170	+161	+159	+163	+163	+192	+219	+211	+207	+211	+212	+221	+221	+227	+245	+253	+253	Dent	3043												
+2310	+1610	+1085	+503	-1860	-2815	-3801	-4150	-4345	-5595	-7295	-7355	-8280	-13950	-17195	-20202	-23350	-25390	-25390	Chromometer Thermometer.													
54-67	54-68	55-68	55-68	55-72	60-74	55-83	65-74	64-75	63-74	67-77	67-77	73-87	70-75	60-81	37-92	71-98	84-93	72-96	80-100	(Extremes of Temperature as shown by the Thermometer and Self-Registering Thermometer.)												

NAME OF MAKER.	No.	Whether on trial or for sale.	ADDRESS OF MAKER.	Construction of Escapement 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.
Webb.....	5388	2	4, Pulten's Row, Islington, London.	Auxiliary as in former years.	January 7	July 29	29	- 5.7
Lister and Sons.....	608	2	Newcastle-upon-Tyne.	Dent's patent balance.	January 7	July 29	29	- 1.3
Dent.....	2809	2	61, Strand, London.	Auxiliary compensation.	January 7	July 29	29	- 11.8
Doobie.....	3715	2	24, Clyde Place, Glasgow.	Usual balance, with continuous auxiliary.	January 7	July 29	29	- 6.5
C. M. Frodham, jun.....	3716	2	84, Strand, London.		January 7	July 29	29	- 4.9
W. P. Birchall.....	11	2	65, Great Percy Street, London.	Ordinary balance, with slight alteration.	January 7	July 29	29	- 18.7
Chittenden.....	710	2	20, Kent Villa, Dalston, London.	Auxiliary, unpublished.	January 7	July 29	29	- 10.5
Sevill.....	1990	2	61, South Castle Street, Liverpool.	Auxiliary compensation.	January 7	July 29	29	- 6.2
Quilliam.....	5429	2	32, Elizabeth Street, Liverpool.	Auxiliary acting in cold.	January 7	July 29	29	- 7.1
Riffe.....	562	2	2, Orange Street, Red Lion Square, London.	Auxiliary compensation to pendulum spring.	January 7	July 29	29	- 15.9
Lister and Sons.....	598	2	Newcastle-upon-Tyne.	Poole's auxiliary.	January 7	July 29	29	- 6.9
McGregor and Co.....	3772	2	38, Clyde Place, Glasgow.	Poole's auxiliary.	January 7	July 29	29	- 20.0
Kullberg.....	906	2	12, Clonsdale Terrace, Islington, London.	Kullberg's flat rim balance, without auxiliary.	January 7	July 29	29	- 16.2
Hennessy.....	3964	2	5, Wind Street, Swansea.	Poole's auxiliary.	January 7	July 29	29	- 8.5
Chairs.....	789	2	13, Waterloo Road, Liverpool.	Poole's auxiliary.	January 7	July 29	29	- 1.8
Cairns.....	792	2	13, Waterloo Road, Liverpool.	Poole's auxiliary.	January 7	July 29	29	- 2.0
Clark and Son.....	3308	2	Greenock.	Poole's auxiliary.	January 7	July 29	29	- 9.0
Poole.....	3832	2	57, Finchchurch Street, London.	Poole's auxiliary.	January 7	July 29	29	- 1.5
Muirhead and Son.....	3686	2	30, Buchanan Street, Glasgow.	Poole's auxiliary.	January 7	July 29	29	- 29.8
T. Campbell.....	1001	2	7, South Castle Street, Liverpool.	Ordinary balance, with slight alteration.	January 7	July 29	29	- 15.4
Hennessy.....	3744	2	5, Wind Street, Swansea.	Poole's auxiliary.	January 7	July 29	29	- 1.4
Reid and Sons.....	1228	2	41, Grey Street, Newcastle-upon-Tyne.	Auxiliary compensation to the balance.	January 7	July 29	29	- 6.0
Marshall.....	2000	2	5, King Square, Grenfell Road, London.	Mercurial auxiliary to balance.	January 7	July 29	29	- 0.9
Reid and Sons.....	1243	2	41, Grey Street, Newcastle-upon-Tyne.	Auxiliary compensation to the balance.	January 7	July 29	29	- 12.0
Gowland.....	2736	2	Sunderland.	Auxiliary compensation.	January 7	July 29	29	- 8.9
Parkinson and Bouts.....	1097	2	59, Gracechurch Street, London.	Ordinary construction.	January 7	July 29	29	- 8.2
T. Campbell.....	1000	2	7, South Castle Street, Liverpool.	Ordinary balance, with slight alteration.	January 7	July 29	29	- 0.7
Cripp.....	649	2	61, St. John's Street Road, London.	Auxiliary compensation acting in heat.	January 7	July 29	29	- 35.0
P. Birchall.....	841	2	65, Great Percy Street, London.	Ordinary balance, with slight alteration.	January 7	July 29	29	- 13.0
Poole.....	3857	2	57, Finchchurch Street, London.	Poole's auxiliary.	January 7	July 29	29	- 2.4
C. Frodham.....	3316	2	84, Strand, London.	Usual balance, with supplementary compensation.	January 7	July 29	29	- 1.9
Bruntin.....	554	2	5, America St., John St., Minorities, London.	Usual balance, unpublished.	January 7	July 29	29	- 7.5
Robertson.....	4727	2	11, Spencer St., Northampton Sq., London.	Ordinary construction, with slight alteration.	January 7	July 29	29	- 9.4
C. Frodham.....	3342	2	84, Strand, London.	Usual balance, with supplementary compensation.	January 7	July 29	29	- 9.8
Jürgensen.....	100	2	Copenhagen.	Gold pendulum spring; ordinary balance.	January 7	July 29	29	- 16.1
Muirhead and Son.....	3786	2	30, Buchanan Street, Glasgow.	Poole's auxiliary.	January 7	July 29	29	- 18.5
McGregor and Co.....	3704	2	38, Clyde Place, Glasgow.	Poole's auxiliary.	January 7	July 29	29	- 15.0
Parkinson and Bouts.....	1073	2	59, Gracechurch Street, London.	Ordinary construction.	January 7	July 29	29	- 12.8
Russell and Son.....	9000	2	30 and 32, Slater Street, Liverpool.	Kullberg balance, and simplified movement.	January 7	July 29	29	- 20.4
Glover.....	330	2	4, Swinton Street, Gray's Inn Road, London.	Auxiliary acting in cold.	January 7	July 29	29	- 18.5
C. M. Frodham, jun.....	3362	2	84, Strand, London.	Usual balance, with supplementary compensation.	January 7	July 29	29	- 1.5
Dell, Brothers.....	1462	2	Broad Street, Bristol.	Auxiliary for extreme cold.	January 7	July 29	29	- 20.5
Glover.....	331	2	4, Swinton Street, Gray's Inn Road, London.	Auxiliary acting in cold.	January 7	July 29	29	- 18.5
Jürgensen.....	xxxi.	2	Copenhagen.	Gold pendulum spring; ordinary balance.	January 7	July 29	29	- 2.0
Irray and Son.....	628	2	89, Minster, London.	Ordinary balance.	January 7	July 29	29	- 36.6
Webb.....	5449	2	4, Pulten's Row, Islington, London.	Auxiliary as in former years.	January 7	July 29	29	- 20.6
Dent.....	3043	2	61, Strand, London.	Dent's patent balance.	January 7	July 1	25	+ 12.4

* During these weeks the North window of the Chronometer Room was left open.

† 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.

PRINCIPAL CHANGES OF RATE.

NAME or 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.			
March	11 to 18†	+ 2.0	July	1 to 8†	5.7	5.0	March 11†; † July 1†	Webb.....	5388			
Feb. 25 to March 4*	+ 10.9	July	15 to 22	12.2	5.1	† March 11†; † July 8	Lister and Sons.....	608				
March	11 to 18†	- 1.6	January	14 to 21*	6.4	6.4	March 11†	Dent.....	2809			
February	11 to 18*	+ 8.7	July	8 to 15	15.2	4.2	* Feb. 4†; † July 8	Doobie.....	3715			
January	21 to 28†	+ 20.6	July	22 to 29	15.7	4.1	March 11†	C. M. Frodham, jun.....	3716			
February	4 to 11*	- 6.1	May	15 to 20	12.6	5.8	* January 28*	W. P. Birchall.....	11			
Feb. 25 to March 4*	+ 1.0	June	17 to 24†	11.5	6.6	* February 18*	Whitenden.....	710				
January	7 to 14	+ 8.7	July	15 to 22	14.9	5.5	† July 8	Sevill.....	1990			
April	8 to 15	+ 8.6	July	22 to 29	12.1	7.2	† July 8	Quilliam.....	5429			
Feb. 25 to March 4*	- 1.0	July	22 to 29	14.9	6.6	* February 18*	Riffe.....	562				
April	8 to 15	+ 5.9	July	1 to 8†	12.8	8.1	† April 8	Lister and Sons.....	598			
June	5 to 10	- 7.8	March	4 to 11†	11.6	9.0	† July 8	McGregor and Co.....	3772			
January	21 to 28*	+ 18.7	February	11 to 18†	17.4	6.5	† July 8	Kullberg.....	906			
February	4 to 11*	+ 22.6	January	21 to 28†	14.9	7.6	† July 8	Hennessy.....	3964			
February	4 to 11*	+ 22.6	July	15 to 22	20.8	5.1	† March 18†	Cairns.....	789			
March	11 to 18†	+ 13.2	Jan. 14 to 21*, July 22 to 29	15.2	7.9	† July 8	Cairns.....	792				
January 28 to Feb. 4*	+ 7.8	July	22 to 29	16.8	8.6	† March 18†	Clark and Son.....	3398				
February	11 to 22*	+ 18.1	July	15 to 22	16.6	9.9	† July 8	Poole.....	3832			
Feb. 25 to March 4*	- 10.2	April	1 to 8†	18.6	8.3	* January 21*	Muirhead and Son.....	3686				
January 21 to 28*	+ 34.3	June	17 to 24†	18.9	8.4	† July 8	T. Campbell.....	1001				
Feb. 25 to March 4*	+ 12.6	July	22 to 29	14.0	10.9	† July 8	Hennessy.....	3744				
Feb. 25 to March 4*	+ 14.1	July	15 to 22	20.1	8.0	† March 18†	Reid and Sons.....	1228				
February	11 to 18*	+ 20.1	May	15 to 20	21.0	8.0	† March 11†	Marshall.....	2000			
January 21 to 28*	+ 5.8	July	1 to 8†	17.8	10.0	* January 21*	Reid and Sons.....	1243				
January	7 to 14	+ 9.5	June	3 to 10	18.0	10.2	June 3	Gowland.....	2736			
February	11 to 18*	+ 14.5	April 29 to May 6	22.7	8.0	* January 21*	Parkinson and Bouts.....	1097				
January	21 to 28*	+ 24.8	July	1 to 8†	24.5	7.9	† July 8	T. Campbell.....	1000			
April	8 to 15	- 14.2	July	1 to 8†	20.8	5.9	† July 8	Cripp.....	649			
January 21 to 28*	+ 9.3	April	1 to 8†	22.3	9.4	May 20	P. Birchall.....	841				
Feb. 25 to March 4*	+ 23.8	July	8 to 15	21.4	10.2	March 11†	Poole.....	3857				
January 28 to Feb. 4*	+ 22.3	July	22 to 29	24.2	9.9	† April 8	C. Frodham.....	3316				
Feb. 11 to 18*, June 17 to 24†	+ 26.8	Feb. 11 to 18*, June 17 to 24†	19.3	15.6	11.4	* Jan. 28†; † Feb. 18*	Bruntin.....	554				
February	11 to 18*	+ 14.7	June	17 to 24†	24.1	11.4	† July 8	Robertson.....	4727			
January	21 to 28*	+ 14.9	July	22 to 29	21.6	9.7	† July 8	C. Frodham.....	3342			
January	21 to 28*	+ 14.9	July	8 to 15	31.0	9.5	* January 21*	Jürgensen.....	100			
March	11 to 18†	+ 2.9	January	14 to 21*	21.4	18.9	* January 21*	Muirhead and Son.....	3786			
February	11 to 18†	+ 20.1	May	15 to 20	15.5	15.6	† July 8	McGregor and Co.....	3704			
January	21 to 28*	+ 23.5	May 27 to June 3	36.3	15.0	* January 21*	Parkinson and Bouts.....	1073				
July	15 to 22	+ 13.7	February	11 to 18†	24.1	22.7	† July 8	Russell and Son.....	9000			
January	21 to 28*	+ 21.2	July	1 to 8†	39.7	18.2	† July 8	Glover.....	330			
February	11 to 18†	+ 47.2	July	15 to 22	45.7	21.9	† July 15	C. M. Frodham, jun.....	3362			
January	7 to 14	+ 98.4	July	22 to 29	12.9	12.5	* February 25*	Dell, Brothers.....	1462			
January	21 to 28*	+ 92.5	July	25 to 29	65.0	17.3	† July 8	O. M. Frodham.....	331			
January	21 to 28*	+ 37.5	July	8 to 15	75.5	22.1	March 11†	Jürgensen.....	xxxi.			
May	1 to 8†	+ 46.13	May	1 to 8†	56.2	42.6	† July 8	Irray and Son.....	628			
July	8 to 15	+ 54.0	July	8 to 15	54.6	54.6	† July 8	Webb.....	5449			
February	18 to 25*	+ 25.3	June	17 to 24†	12.9	4.9	† March 18†	Dent.....	3043			

The order of arrangement of the Chronometers in this Table is determined solely by consideration of their irregularity of rate.

The Chronometer Dent 3043 was found stopped on July 8; it was removed on July 15 by the maker, who found, on examination, that the main spring had broken. The rates are on account of the shorter duration of trial, not strictly comparable with those of the other Chronometers; the Chronometer is therefore placed in a separate division at the end of the general Table.