

RATES OF CHRONOMETERS

ON TRIAL

FOR PURCHASE BY THE BOARD OF ADMIRALTY,

AT THE

ROYAL OBSERVATORY, GREENWICH,

FROM 1896 JULY 4 TO 1897 JANUARY 23.

A

IN ORDER OF TIME.

A 2

IN ORDER OF TIME.																NAME OF		No.
																MAKER.		
Sep. 6 to Oct. 8	Oct. 9-10	Oct. 10-17	Oct. 17-24	Oct. 24-31	Oct. 31 to Nov. 7	Nov. 7-14	Nov. 14-21	Nov. 21-28	Nov. 28-Dec. 5	Dec. 5-12	Dec. 12-19	Dec. 19-26	Dec. 26 to Jan. 2	Jan. 2-9	Jan. 9-16	Jan. 16-23		
+ 8.8 + 6.1 + 10.0 + 3.7 + 5.8	+ 6.0 + 2.3 + 11.3 + 8.6 + 6.0	+ 7.1 + 0.0 + 11.7 + 8.2 + 7.6	+ 7.4 + 2.9 + 12.9 + 9.4 + 3.7	+ 8.3 + 2.9 + 13.7 + 9.4 + 3.5	+ 9.0 + 0.9 + 13.7 + 9.6 + 3.6	+ 7.8 + 0.9 + 10.1 + 9.6 + 6.8	+ 8.7 + 4.8 + 10.1 + 9.8 + 8.0	+ 12.7 + 9.3 + 8.6 + 8.1 + 9.6	+ 13.8 + 9.6 + 8.6 + 8.9 + 11.9	+ 10.9 + 5.6 + 10.9 + 4.9 + 3.0	+ 11.6 + 7.9 + 10.9 + 10.9 + 3.0	+ 10.0 + 4.8 + 12.4 + 8.3 + 3.2	+ 3.5 + 3.0 + 15.6 + 6.3 + 3.0	+ 9.3 + 3.0 + 15.6 + 11.4 + 2.8	+ 9.1 + 3.0 + 11.4 + 11.1 + 4.6	+ 13.5 + 9.9 + 15.6 + 11.4 + 4.6	Johannsen & Co. Kullberg Bishop & Sons Johannsen & Co.	4383 4384 4385 4383
-18.2 + 1.0 + 7.5 + 1.9 + 1.8	-17.0 + 1.4 + 7.1 + 6.6 + 1.8	-14.2 + 4.3 + 6.7 + 6.4 + 6.7	-14.0 + 2.9 + 0.8 + 0.8 + 0.0	-14.7 + 3.0 + 1.5 + 0.8 + 0.4	-11.3 + 3.0 + 1.5 + 0.6 + 0.9	-11.3 + 1.0 + 1.4 + 0.6 + 1.3	-11.0 + 1.0 + 9.6 + 1.3 + 1.9	-9.8 + 1.4 + 9.6 + 1.3 + 1.6	-6.1 + 7.4 + 7.6 + 8.0 + 8.7	-2.8 + 10.9 + 8.4 + 6.9 + 11.2	-2.8 + 10.9 + 8.4 + 6.9 + 11.2	-2.8 + 10.9 + 8.4 + 6.9 + 11.2	-7.8 + 3.0 + 15.6 + 6.3 + 10.1	-7.8 + 3.0 + 15.6 + 6.3 + 10.1	-7.8 + 3.0 + 15.6 + 6.3 + 10.1	-7.8 + 3.0 + 15.6 + 6.3 + 10.1	E. Dent & Co. Isaac Gardner Fryth Johannsen & Co.	4390 4390 4391 4392 4393
+ 7.0 + 3.8 + 1.0 + 3.1 + 3.1	+ 5.7 + 5.0 + 1.8 + 1.3 + 4.4	+ 7.1 + 6.0 + 0.4 + 1.3 + 1.7	+ 6.4 + 6.0 + 1.5 + 3.0 + 2.2	+ 8.4 + 9.5 + 0.7 + 3.0 + 0.2	+ 8.7 + 9.9 + 1.5 + 1.1 + 0.4	+ 13.6 + 11.4 + 1.4 + 1.8 + 10.8	+ 10.5 + 11.4 + 1.4 + 1.8 + 13.7	+ 18.4 + 14.7 + 9.6 + 1.3 + 11.2	+ 16.3 + 13.9 + 13.9 + 11.9 + 1.1	+ 16.3 + 13.9 + 13.9 + 11.9 + 1.1	+ 15.5 + 13.8 + 13.8 + 11.9 + 3.3	+ 15.5 + 13.8 + 13.8 + 11.9 + 3.3	+ 11.7 + 14.3 + 14.3 + 13.5 + 3.8	+ 11.4 + 15.6 + 15.6 + 14.4 + 2.8	+ 15.9 + 17.1 + 17.1 + 14.4 + 0.0	+ 15.9 + 17.1 + 17.1 + 14.4 + 0.0	Johannsen & Co. J. B. Dent & Sons Johannsen & Co. Gardner Fryth	4399 4400 4401 4402 4403
- 0.4 - 1.1 - 2.0 - 1.4 - 1.6	- 0.2 + 0.8 + 0.8 + 0.8 + 0.8	+ 1.1 + 1.9 + 2.0 + 1.5 + 1.5	+ 1.9 + 2.0 + 2.4 + 0.7 + 1.5	+ 3.0 + 4.0 + 4.0 + 1.5 + 1.5	- 3.7 + 0.7 + 1.5 + 1.5 + 1.5	- 8.9 + 0.7 + 1.5 + 1.5 + 1.5	- 8.9 + 0.7 + 1.5 + 1.5 + 1.5	- 0.7 + 4.2 + 1.5 + 1.5 + 1.5	+ 4.1 + 1.3 + 1.3 + 1.3 + 1.3	+ 4.1 + 1.3 + 1.3 + 1.3 + 1.3	+ 1.3 + 1.3 + 1.3 + 1.3 + 1.3	+ 1.3 + 1.3 + 1.3 + 1.3 + 1.3	+ 8.5 + 4.1 + 4.1 + 4.1 + 4.1	+ 8.5 + 4.1 + 4.1 + 4.1 + 4.1	+ 8.5 + 4.1 + 4.1 + 4.1 + 4.1	+ 8.5 + 4.1 + 4.1 + 4.1 + 4.1	K. Eys J. B. Dent & Sons Probst Hawell & Sons Gardner	4403 4404 4405 4406 4407
+ 13.8 + 11.0 + 11.0 + 18.5 + 3.9	+ 13.9 + 12.6 + 12.6 + 14.4 + 9.7	+ 13.9 + 11.5 + 11.5 + 13.0 + 8.1	+ 11.8 + 11.0 + 11.0 + 14.0 + 8.2	+ 11.7 + 10.9 + 10.9 + 14.0 + 4.8	+ 11.9 + 10.9 + 10.9 + 14.0 + 0.6	+ 20.2 + 21.6 + 20.5 + 20.5 + 0.6	+ 21.6 + 20.5 + 20.5 + 20.5 + 0.6	+ 29.1 + 30.5 + 30.5 + 30.5 + 0.6	+ 28.3 + 29.0 + 29.0 + 29.0 + 13.5	+ 21.4 + 19.3 + 19.3 + 19.3 + 11.4	+ 20.1 + 18.3 + 18.3 + 18.3 + 12.6	+ 20.1 + 18.3 + 18.3 + 18.3 + 12.6	+ 17.8 + 15.0 + 15.0 + 15.0 + 9.5	+ 17.8 + 15.0 + 15.0 + 15.0 + 9.5	+ 17.8 + 15.0 + 15.0 + 15.0 + 9.5	+ 17.8 + 15.0 + 15.0 + 15.0 + 9.5	Johannsen & Co. Johannsen & Co. Ivernen Johannsen & Co. Johannsen & Co.	4409 4410 4411 4412 4413
+ 0.4 + 3.1 + 0.6 - 28.3 - 0.8	- 0.1 + 3.9 + 0.6 - 28.3 - 0.8	+ 2.9 + 5.7 + 1.1 + 2.9 + 2.9	+ 5.8 + 11.3 + 1.5 - 23.4 + 2.9	+ 5.6 + 11.0 + 1.6 - 23.4 + 2.9	+ 7.1 + 10.2 + 1.6 - 23.4 + 2.9	+ 0.2 + 4.3 + 0.7 - 37.4 + 0.6	+ 4.3 + 5.0 + 0.7 - 37.4 + 0.6	- 0.3 + 8.4 + 1.8 + 0.6 + 13.4	- 0.3 + 8.4 + 1.8 + 0.6 + 13.4	+ 5.9 + 18.9 + 13.6 + 13.6 + 11.2	+ 5.9 + 18.9 + 13.6 + 13.6 + 11.2	+ 5.9 + 18.9 + 13.6 + 13.6 + 11.2	+ 8.1 + 21.7 + 15.0 + 15.0 + 5.8	+ 8.1 + 21.7 + 15.0 + 15.0 + 5.8	+ 8.1 + 21.7 + 15.0 + 15.0 + 5.8	+ 8.1 + 21.7 + 15.0 + 15.0 + 5.8	Probst Johannsen & Co. Ivernen Johannsen & Co. Johannsen & Co.	4414 4415 4416 4417 4418
+ 58.4 + 732.4	+ 23.2 + 735.6	+ 132.9 + 1118.7	+ 38.1 + 1374.8	+ 127.9 + 1120.9	+ 33.3 + 1154.8	+ 35.5 + 1158.1	+ 42.9 + 1164.4	+ 36.5 + 1174.4	+ 42.9 + 1180.9	+ 44.3 + 1193.7	+ 45.9 + 1210.2	+ 41.3 + 1241.7	+ 45.9 + 1268.6	+ 41.3 + 1284.6	+ 43.0 + 1261.9	+ 41.9 + 1202.0	+ 41.9 + 1100.3	Chrometrical Thermometer.
59.7	59.4	58.6	58.3	50.7	50.7	50.8	58.6	51.8	79.8	55.6	55.4	49.7	53.0	51.9	52.6	47.6	Mass Weekly Tem- perature.	
59.3-61.6-52.9-50.9-51.8-14.3-17.5-17.7-45.7-50.2-68.6-42.1-72.5-50.6-71.6-59.9-64.1-57.7-71.4-53.7-70.3-61.2-68.0-62.6-57.5-56.5-64.7-57.8-47.6-61.0-67.6-61.6-61.5-54.4																(Extremes of Tempera- ture of the Self-registering Weather-glass.)		

Only those Chronometers have been included in this list for which b did not exceed 12 seconds.

NAME OF MAKER.	No. of Chronometer.	Construction of Movement and Balance, from the Description furnished by the Maker.	(H.) WEEKLY RATES IN											
			Jan. 16-23	Dec. 19-26	Jan. 9-16	Jan. 2-9	Oct. 21 to Nov. 7	Oct. 14-21	Dec. 12-19	Dec. 26 to Jan. 2	Oct. 17-24	Oct. 10-17	Dec. 5-12	Oct. 3-10
Kullberg.....	6059	2 Kullberg's auxiliary balance; palladium spring	+ 7.9	+ 7.0	+ 7.7	+ 7.4	+ 5.1	+ 5.0	+ 7.8	+ 6.7	+ 4.8	+ 4.4	+ 3.8	+ 4.7
Kullberg.....	6060	2 Kullberg's auxiliary balance; palladium spring	+ 2.6	+ 1.9	+ 2.0	+ 2.0	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8
Kullberg.....	6061	2 Kullberg's auxiliary balance; palladium spring	+ 4.4	+ 3.8	+ 3.3	+ 2.7	+ 0.1	+ 0.0	+ 0.0	+ 0.0	+ 0.0	+ 0.0	+ 0.0	+ 0.0
Kullberg.....	6062	2 Kullberg's auxiliary balance; palladium spring	+ 0.1	+ 0.8	+ 1.4	+ 2.0	+ 1.4	+ 1.0	+ 1.4	+ 1.0	+ 1.0	+ 0.6	+ 0.6	+ 0.8
Kullberg.....	6063	2 Kullberg's auxiliary balance; palladium spring	+ 1.0	+ 0.8	+ 0.1	+ 0.7	+ 0.1	+ 0.6	+ 1.2	+ 1.0	+ 0.5	+ 0.5	+ 0.4	+ 0.3
Johannesen & Co.	4597	2 Auxiliary compensation acting in heat; palladium spring	+ 6.7	+ 7.1	+ 7.1	+ 7.4	+ 6.6	+ 7.6	+ 8.6	+ 6.9	+ 6.7	+ 6.9	+ 11.8	+ 6.7
Uhrig.....	6117	2 Uhrig's continuously acting auxiliary; bright steel spring	+ 4.5	+ 4.1	+ 4.8	+ 5.1	+ 7.0	+ 7.0	+ 8.9	+ 4.6	+ 4.1	+ 3.6	+ 1.6	+ 4.0
J. Dent & Co.	4588	2 Dent's balance; bright steel spring	+ 7.4	+ 7.6	+ 7.4	+ 7.3	+ 7.3	+ 7.3	+ 3.7	+ 6.2	+ 6.7	+ 3.9	+ 3.6	+ 7.1
Kullberg.....	6064	2 Kullberg's auxiliary balance; palladium spring	+ 0.8	+ 0.8	+ 7.4	+ 6.1	+ 4.0	+ 4.0	+ 4.0	+ 4.0	+ 4.0	+ 4.0	+ 4.0	+ 4.0
Johannesen & Co.	4595	2 Auxiliary compensation acting in heat; palladium spring	+ 11.9	+ 12.6	+ 8.9	+ 8.1	+ 6.8	+ 6.0	+ 11.9	+ 7.8	+ 4.8	+ 5.2	+ 9.6	+ 3.7
E. Dent & Co.	4578	2 Dent's balance; bright steel spring	+ 5.8	+ 6.9	+ 6.6	+ 7.4	+ 4.1	+ 3.9	+ 7.8	+ 4.4	+ 4.4	+ 6.5	+ 6.4	+ 2.2
Johannesen & Co.	4598	2 Auxiliary compensation acting in heat; palladium spring	+ 10.5	+ 10.8	+ 7.5	+ 7.7	+ 7.8	+ 8.9	+ 12.6	+ 4.0	+ 9.0	+ 7.5	+ 10.9	+ 7.6
Kullberg.....	6065	2 Kullberg's auxiliary balance; palladium spring	+ 1.0	+ 0.8	+ 10.4	+ 9.5	+ 8.6	+ 8.1	+ 6.5	+ 10.1	+ 5.3	+ 5.7	+ 3.2	+ 4.3
Kullberg.....	6066	2 Kullberg's auxiliary balance; palladium spring	+ 0.8	+ 7.9	+ 7.8	+ 7.8	+ 6.6	+ 6.6	+ 6.6	+ 6.6	+ 6.6	+ 6.6	+ 6.6	+ 6.6
Kullberg.....	6067	2 Kullberg's auxiliary balance; palladium spring	+ 6.0	+ 6.9	+ 5.8	+ 6.0	+ 4.4	+ 3.6	+ 6.6	+ 6.6	+ 6.6	+ 6.6	+ 6.6	+ 6.6
Johannesen & Co.	4599	2 Auxiliary compensation acting in heat; palladium spring	+ 1.6	+ 1.1	+ 0.6	+ 0.1	+ 1.5	+ 1.3	+ 0.7	+ 2.1	+ 2.0	+ 2.1	+ 0.1	+ 2.6
Kullberg.....	6068	2 Kullberg's auxiliary balance; palladium spring	+ 5.1	+ 7.4	+ 6.6	+ 7.4	+ 5.8	+ 4.1	+ 5.6	+ 5.8	+ 5.8	+ 5.8	+ 5.8	+ 5.8
Kullberg.....	6069	2 Kullberg's auxiliary balance; palladium spring	+ 0.1	+ 0.8	+ 10.4	+ 9.5	+ 8.6	+ 8.1	+ 6.5	+ 10.1	+ 5.3	+ 5.7	+ 3.2	+ 4.3
Kullberg.....	6070	2 Kullberg's auxiliary balance; palladium spring	+ 0.1	+ 0.8	+ 10.4	+ 9.5	+ 8.6	+ 8.1	+ 6.5	+ 10.1	+ 5.3	+ 5.7	+ 3.2	+ 4.3
Kullberg.....	6071	2 Kullberg's auxiliary balance; palladium spring	+ 0.1	+ 0.8	+ 10.4	+ 9.5	+ 8.6	+ 8.1	+ 6.5	+ 10.1	+ 5.3	+ 5.7	+ 3.2	+ 4.3
Johannesen & Co.	4600	2 Auxiliary compensation acting in heat; palladium spring	+ 15.9	+ 19.4	+ 17.6	+ 17.4	+ 15.9	+ 19.0	+ 19.4	+ 14.1	+ 17.7	+ 14.3	+ 21.8	+ 11.6
Johannesen & Co.	4579	2 Auxiliary compensation acting in heat; palladium spring	+ 0.2	+ 1.6	+ 1.2	+ 1.4	+ 4.7	+ 4.0	+ 5.6	+ 0.1	+ 5.6	+ 0.1	+ 0.3	+ 7.9
Gardner.....	6072	2 Compensation for extreme; palladium spring	+ 4.2	+ 3.6	+ 4.8	+ 4.9	+ 0.4	+ 1.8	+ 4.5	+ 0.8	+ 0.8	+ 0.8	+ 0.8	+ 0.8
Kullberg.....	6073	2 Plain balance; palladium spring	+ 20.9	+ 18.6	+ 19.9	+ 19.3	+ 19.1	+ 18.1	+ 16.6	+ 20.0	+ 18.1	+ 16.9	+ 14.7	+ 15.6
Kullberg.....	6074	2 Kullberg's auxiliary balance; palladium spring	+ 10.0	+ 10.6	+ 7.1	+ 6.8	+ 5.8	+ 4.2	+ 8.0	+ 7.3	+ 8.4	+ 9.7	+ 8.6	+ 9.9
Johannesen & Co.	4601	2 Auxiliary compensation acting in heat; palladium spring	+ 21.9	+ 18.0	+ 10.7	+ 10.8	+ 10.6	+ 10.6	+ 10.6	+ 10.6	+ 10.6	+ 10.6	+ 10.6	+ 10.6
Johannesen & Co.	4602	2 Auxiliary compensation acting in heat; palladium spring	+ 0.4	+ 0.7	+ 0.4	+ 0.4	+ 0.7	+ 1.3	+ 1.3	+ 1.3	+ 1.3	+ 1.3	+ 1.3	+ 1.3
Kullberg.....	6080	2 Kullberg's auxiliary balance; palladium spring	+ 0.0	+ 0.6	+ 0.8	+ 0.7	+ 4.9	+ 0.2	+ 8.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1
Kullberg.....	6081	2 Kullberg's auxiliary balance; palladium spring	+ 0.0	+ 0.6	+ 0.8	+ 0.7	+ 4.9	+ 0.2	+ 8.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1
Kullberg.....	6082	2 Kullberg's auxiliary balance; palladium spring	+ 0.0	+ 0.6	+ 0.8	+ 0.7	+ 4.9	+ 0.2	+ 8.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1
Kullberg.....	6083	2 Kullberg's auxiliary balance; palladium spring	+ 0.0	+ 0.6	+ 0.8	+ 0.7	+ 4.9	+ 0.2	+ 8.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1
Uhrig.....	604	2 Uhrig's continuously acting auxiliary; bright steel spring	+ 14.6	+ 18.4	+ 13.6	+ 12.8	+ 10.2	+ 6.0	+ 16.4	+ 13.3	+ 9.1	+ 7.7	+ 15.4	+ 8.9
Gardner.....	6075	2 Compensation for extreme; palladium spring	+ 4.6	+ 6.0	+ 6.5	+ 6.5	+ 9.8	+ 3.2	+ 2.6	+ 8.7	+ 7.6	+ 8.6	+ 9.8	+ 2.9
Kullberg.....	6084	2 Kullberg's auxiliary balance; palladium spring	+ 7.6	+ 11.2	+ 7.4	+ 7.4	+ 4.6	+ 4.6	+ 4.6	+ 4.6	+ 4.6	+ 4.6	+ 4.6	+ 4.6
E. Dent & Co.	4589	2 Dent's balance; bright steel spring	+ 4.4	+ 7.0	+ 6.6	+ 7.3	+ 8.6	+ 4.6	+ 11.7	+ 5.4	+ 9.4	+ 13.7	+ 13.9	+ 11.1
Chronometrical Thermometer.....			+ 1009.3	+ 1006.6	+ 1001.6	+ 1001.9	+ 1004.8	+ 1002.6	+ 1004.7	+ 1004.7	+ 1004.7	+ 1004.7	+ 1004.7	+ 1004.7
Mean Weekly Temperature.....			47.6	49.7	52.0	51.9	50.7	50.7	53.4	53.0	53.3	55.4	55.6	59.4
Extremes of Temperature as shown by the Self-Registering Thermometers.....			41.5	45.6	46.7	46.0	47.6	41.0	44.2	41.0	48.5	52.1	57.7	62.0

ORDER OF TEMPERATURE AS DETERMINED GENERALLY BY THE CHRONOMETRICAL THERMOMETER.														
Sept. 25 to Oct. 3	Sept. 19-26	Aug. 1-8	Aug. 8-15	Aug. 15-22	July 26 to Aug. 1	July 18-25	July 11-18	July 4-11	Nov. 7-14	Aug. 22-29	Nov. 28 to Dec. 5	Sept. 19-26	Nov. 14-21	Nov. 7-14
+ 4.8	+ 7.4	+ 6.5	+ 9.3	+ 4.5	+ 7.6	+ 6.5	+ 5.5	+ 3.6	+ 9.3	+ 7.7	+ 13.4	+ 8.0	+ 6.8	+ 9.8
+ 4.9	+ 6.1	+ 6.0	+ 4.1	+ 5.7	+ 5.4	+ 4.1	+ 3.2	+ 1.3	+ 9.3	+ 7.7	+ 13.4	+ 8.0	+ 6.8	+ 9.8
+ 7.3	+ 8.9	+ 6.9	+ 6.9	+ 1.4	+ 10.9	+ 10.1	+ 9.3	+ 3.8	+ 7.6	+ 8.4	+ 10.4	+ 10.4	+ 10.4	+ 10.4
+ 0.7	+ 1.1	+ 0.7	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8
+ 4.3	+ 7.1	+ 9.1	+ 9.3	+ 3.4	+ 1.9	+ 1.4	+ 1.1	+ 2.4	+ 4.6	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4
+ 5.0	+ 4.8	+ 2.3	+ 0.4	+ 3.9	+ 3.6	+ 5.7	+ 7.8	+ 7.8	+ 6.7	+ 3.6	+ 0.8	+ 3.8	+ 8.0	+ 5.5
+ 1.9	+ 7.8	+ 2.2	+ 0.3	+ 3.7	+ 10.0	+ 10.0	+ 7.8	+ 5.0	+ 9.8	+ 12.1	+ 17.1	+ 18.1	+ 17.1	+ 18.1
+ 3.8	+ 0.3	+ 1.9	+ 0.5	+ 4.4	+ 0.5	+ 0.5	+ 0.5	+ 1.7	+ 3.8	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4
+ 8.8	+ 2.8	+ 3.6	+ 6.1	+ 1.6	+ 4.1	+ 2.8	+ 2.8	+ 3.9	+ 3.9	+ 4.9	+ 3.8	+ 1.8	+ 6.2	+ 9.8
+ 2.8	+ 0.6	+ 0.6	+ 2.6	+ 2.5	+ 1.0	+ 1.0	+ 0.1	+ 1.0	+ 1.4	+ 1.5	+ 4.7	+ 3.0	+ 3.8	+ 4.1
+ 1.0	+ 1.6	+ 0.4	+ 1.3	+ 3.6	+ 3.6	+ 3.6	+ 2.6	+ 1.6	+ 4.1	+ 1.1	+ 1.0	+ 3.2	+ 4.7	+ 1.6
+ 21.4	+ 20.1	+ 18.4	+ 17.7	+ 24.0	+ 18.0	+ 20.0	+ 22.1	+ 22.0	+ 23.4	+ 24.4	+ 21.4	+ 27.0	+ 26.1	+ 28.7
+ 8.0	+ 8.0	+ 7.6	+ 10.6	+ 10.9	+ 9.7	+ 8.0	+ 7.6	+ 8.0	+ 7.6	+ 11.7	+ 8.0	+ 8.0	+ 8.0	+ 8.0
+ 10.9	+ 14.6	+ 11.2	+ 13.3	+ 8.0	+ 12.9	+ 10.3	+ 8.7	+ 7.0	+ 13.9	+ 10.5	+ 17.9	+ 11.2	+ 15.5	+ 18.5
+ 0.7	+ 0.4	+ 0.3	+ 4.9	+ 1.6	+ 3.2	+ 1.3	+ 1.1	+ 0.6	+ 0.4	+ 0.9	+ 0.4	+ 1.6	+ 1.1	+ 0.5
+ 14.3	+ 11.0	+ 9.6	+ 10.6	+ 10.5	+ 9.6	+ 10.8	+ 9.7	+ 9.8	+ 18.8	+ 10.7	+ 12.1	+ 11.0	+ 17.0	+ 17.2
+ 3.8	+ 3.6	+ 0.6	+ 2.6	+ 1.7	+ 0.6	+ 1.3	+ 1.2	+ 1.7	+ 1.9	+ 0.2	+ 1.4	+ 8.1	+ 3.7	+ 3.8
+ 15.0	+ 16.7	+ 13.7	+ 16.9	+ 11.9	+ 16.8	+ 14.6	+ 13.9	+ 8.6	+ 6.9	+ 10.0	+ 16.0	+ 16.4	+ 16.8	+ 16.7
+ 7.6	+ 1.6	+ 1.6	+ 4.6	+ 2.3	+ 3.6	+ 1.9	+ 1.6	+ 1.9	+ 1.9	+ 1.9	+ 1.9	+ 1.9	+ 1.9	+ 1.9
+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1
+ 2.7	+ 1.6	+ 1.3	+ 4.6	+ 1.1	+ 3.4	+ 3.4	+ 3.4	+ 3.4	+ 3.4	+ 3.4	+ 3.4	+ 3.4	+ 3.4	+ 3.4
+ 30.7	+ 26.1	+ 18.4	+ 22.0	+ 20.0	+ 17.5	+ 14.6	+ 13.9	+ 9.7	+ 23.2	+ 14.9	+ 22.3	+ 14.9	+ 22.3	+ 14.9
+ 4.9	+ 8.6	+ 0.9	+ 5.0	+ 0.8	+ 0.9	+ 0.9	+ 0.9	+ 3.7	+ 14.3	+ 6.1	+ 9.7	+ 14.3	+ 6.1	+ 9.7
+ 25.4	+ 17.0	+ 10.2	+ 1.0	+ 0.3	+ 1.0	+ 1.0	+ 1.0	+ 3.2	+ 1.6	+ 6.1	+ 11.6	+ 11.6	+ 11.6	+ 11.6
+ 6.7	+ 2.0	+ 0.9	+ 1.1	+ 1.0	+ 4.6	+ 1.7	+ 4.2	+ 9.3	+ 1.6	+ 4.1	+ 1.3	+ 0.9	+ 3.1	+ 3.1
+ 6.2	+ 1.1	+ 0.7	+ 0.7	+ 0.7	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6
+ 10.2	+ 1.1	+ 0.7	+ 0.7	+ 0.7	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6	+ 1.6
Chronometrical Thermometer.....			+ 729.4	+ 694.9	+ 529.7	+ 593.5	+ 586.1	+ 582.0	+ 507.6	+ 525.0	+ 540.0	+ 1188.7	+ 1188.7	+ 1188.7
Mean Weekly Temperature.....			59.7	59.2	64.4	65.9	64.4	68.2	70.0	70.0	70.0	80.8	80.6	79.8
Extremes of Temperature as shown by the Self-Registering Thermometers.....			59.3	59.3	67.3	61.0	60.0	60.0	67.4	62.3	67.6	69.1	70.9	69.4

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 temperature being regulated by Kullberg's automatic governor which controls the supply 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 quite magnified.

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

			(II.) WEEKLY RATES IN												ORDER OF TEMPERATURE AS DETERMINED GENERALLY BY THE CHRONOMETRICAL THERMOMETER.												NAME OF								
NAME OF MAKER.	No.	Whether for S. or N.	Construction of Receptment and Balance, from the Description furnished by the Maker.		Jan. 16-23	Dec. 24-31	Jan. 9-16	Jan. 2-9	Oct. 31 to Nov. 7	Oct. 24-31	Dec. 12-19	Dec. 26 to Jan. 2	Oct. 17-24	Oct. 10-17	Dec. 5-12	Oct. 3-10	Sept. 26 to Oct. 3	Sept. 19-26	Aug. 1-8	Aug. 8-15	Aug. 15-22	July 25 to Aug. 1	July 18-25	July 11-18	July 4-11	Nov. 7-14	Aug. 22-29 to Dec. 5	Nov. 28 to Dec. 5	Sept. 12-19	Nov. 14-21	Nov. 21-28	Aug. 29 to Sept. 5	Sept. 5-12	No.	
			Jan. 16-23	Dec. 24-31	Jan. 9-16	Jan. 2-9	Oct. 31 to Nov. 7	Oct. 24-31	Dec. 12-19	Dec. 26 to Jan. 2	Oct. 17-24	Oct. 10-17	Dec. 5-12	Oct. 3-10	Sept. 26 to Oct. 3	Sept. 19-26	Aug. 1-8	Aug. 8-15	Aug. 15-22	July 25 to Aug. 1	July 18-25	July 11-18	July 4-11	Nov. 7-14	Aug. 22-29 to Dec. 5	Nov. 28 to Dec. 5	Sept. 12-19	Nov. 14-21	Nov. 21-28	Aug. 29 to Sept. 5	Sept. 5-12				
Johannes & Co.	4332	2	Auxiliary compensation setting in heat; [palladium spring	+16.5	+10.0	+2.5	+2.5	+2.5	+2.5	+11.5	+2.5	+7.5	+7.5	+10.0	+8.0	+2.5	+2.5	+10.0	+10.0	+8.0	+8.0	+4.1	+5.1	+7.5	+8.5	+18.5	+14.1	+8.7	+13.7	+8.1	+8.4	Johannes & Co.	4332		
Johannes & Co.	4333	2	Auxiliary compensation setting in heat; [palladium spring	+16.5	+10.0	+2.5	+2.5	+2.5	+2.5	+11.5	+2.5	+7.5	+7.5	+10.0	+8.0	+2.5	+2.5	+10.0	+10.0	+8.0	+8.0	+4.1	+5.1	+7.5	+8.5	+18.5	+14.1	+8.7	+13.7	+8.1	+8.4	Johannes & Co.	4333		
Kulberg	5088	2	Kulberg's auxiliary balance; palladium spring	+15.5	+14.8	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	Kulberg	5088	
Bishop & Sons	8171	2	Auxiliary compensation setting in heat; [palladium spring	+11.5	+9.5	+12.5	+10.5	+13.5	+11.5	+14.5	+9.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	+8.5	Bishop & Sons	8171	
Johannes & Co.	4353	2	Auxiliary compensation setting in heat; [palladium spring	+4.5	+3.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	Johannes & Co.	4353	
J. R. Dent & Sons	4570	2	Dent's balance; bright steel spring	-4.5	-9.5	-7.5	-7.5	-14.7	-15.0	-7.5	-10.5	-14.8	-15.2	-5.1	-17.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	J. R. Dent & Sons	4570
Irwin	1940	2	Ordinary escapement; palladium spring	+5.0	+5.1	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	Irwin	1940	
Gardner	4554	2	Compensation for extremes; palladium spring	+1.7	+5.4	+1.3	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0	Gardner	4554	
Fratt	938	2	Ordinary balance; bright steel spring	+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	+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	Fratt	938	
Johannes & Co.	4555	2	Auxiliary compensation setting in heat; [palladium spring	+9.5	+11.2	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	Johannes & Co.	4555
Johannes & Co.	4556	2	Auxiliary compensation setting in heat; [palladium spring	+17.1	+15.8	+15.0	+14.3	+9.5	+9.5	+14.0	+10.0	+9.5	+9.5	+10.0	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	Johannes & Co.	4556
J. R. Dent & Sons	4558	2	Ordinary balance; palladium spring	+16.5	+15.5	+11.4	+11.7	+8.7	+8.4	+15.8	+6.8	+8.4	+7.1	+13.3	+5.7	+7.0	+13.3	+8.8	+8.4	+8.7	+9.9	+7.5	+7.5	+7.5	+13.0	+7.8	+15.8	+17.3	+16.8	+10.9	+10.9	+10.9	+10.9	J. R. Dent & Sons	4558
Gardner	4559	2	Compensation for extremes; palladium spring	+17.1	+15.8	+15.0	+14.3	+9.5	+9.5	+14.0	+10.0	+9.5	+9.5	+10.0	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	Gardner	4559
J. R. Dent & Sons	4560	2	Auxiliary compensation setting in heat; [palladium spring	+16.5	+15.5	+11.4	+11.7	+8.7	+8.4	+15.8	+6.8	+8.4	+7.1	+13.3	+5.7	+7.0	+13.3	+8.8	+8.4	+8.7	+9.9	+7.5	+7.5	+7.5	+13.0	+7.8	+15.8	+17.3	+16.8	+10.9	+10.9	+10.9	+10.9	J. R. Dent & Sons	4560
Fratt	939	2	Ordinary balance; bright steel spring	+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	+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	Fratt	939
Harwell & Sons	2920	2	Non-magnetic balance, without auxiliary; [palladium spring	-7.7	-4.0	-11.6	-10.9	-9.1	-9.5	-8.5	-11.7	-9.9	-10.4	-8.0	-12.6	-10.4	-2.0	-1.0	-1.5	-7.3	+1.8	+2.0	+2.0	+2.0	+1.5	-12.4	-6.2	-9.9	-6.3	-12.0	-7.0	-5.4	Harwell & Sons	2920	
Johannes & Co.	4561	2	Auxiliary compensation setting in heat; [palladium spring	+23.0	+18.9	+10.5	+17.3	+11.9	+11.7	+20.1	+10.0	+11.5	+10.9	+10.4	+10.9	+11.5	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	Johannes & Co.	4561
Johannes & Co.	4562	2	Auxiliary compensation setting in heat; [palladium spring	+21.8	+18.9	+10.5	+17.3	+11.9	+11.7	+20.1	+10.0	+11.5	+10.9	+10.4	+10.9	+11.5	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	+10.9	Johannes & Co.	4562
Irwin	1941	2	Auxiliary compensation setting in heat; [palladium spring	+5.8	+5.9	+2.7	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	Irwin	1941	
Johannes & Co.	4563	2	Auxiliary compensation setting in heat; [palladium spring	+12.0	+10.0	+9.4	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	Johannes & Co.	4563
Johannes & Co.	4564	2	Auxiliary compensation setting in heat; [palladium spring	+12.0	+10.0	+9.4	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	+9.5	Johannes & Co.	4564
Fratt	940	2	Ordinary balance; bright steel spring	+7.4	+6.4	+6.0	+5.4	+7.1	+5.0	+5.9	+3.1	+5.8	+2.9	+5.8	-0.6	+5.4	+1.4	+2.9	+6.2	+1.3	+4.6	+5.7	+5.8	+3.9	+2.8	+5.2	-0.3	-2.4	-4.3	-5.7	-9.1	-11.6	Fratt	940	
Johannes & Co.	4565	2	Auxiliary compensation setting in heat; [palladium spring	+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	+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	Johannes & Co.	4565
Johannes & Co.	4566	2	Auxiliary compensation setting in heat; [palladium spring	+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	+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	Johannes & Co.	4566
Webb	5077	2	Ordinary balance; palladium spring	-41.2	-46.3	-41.8	-42.5	-41.1	-38.4	-45.0	-37.5	-42.5	-39.5	-42.5	-38.4	-41.2	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	Webb	5077
Johannes & Co.	4567	2	Auxiliary compensation setting in heat; [palladium spring	+6.9	+12.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	+5.8	Johannes & Co.	4567
Gardner	4570	2	Compensation for extremes; palladium spring	+41.0	+41.7	+43.1	+43.5	+40.0	+42.0	+41.5	+45.6	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	+42.9	Gardner	4570
Chronometrical Thermometer				+1903.8	+1805.0	+1601.6	+1581.9	+1563.8	+1520.8	+1441.7	+1394.5	+1374.2	+1318.7	+1116.2	+705.6	+720.4	+604.9	+520.7	+503.5	+520.1	+520.6	+520.6	+520.6	+520.6	+520.6	+520.6	+520.6	+520.6	+520.6	+520.6	+520.6	+520.6	Chronometrical Thermometer		
Mean Weekly Temperature				49.6	49.7	50.0	51.9	50.7	50.7	53.4	53.0	52.3	55.4	55.5	50.4	50.7	50.2	54.4	53.9	54.4	55.2	70.0	70.0	80.3	80.6	79.8	87.5	88.5	91.8	95.5	100.8	Mean Weekly Temperature			
Extremes of Temperature as shown by the Self-Registering Thermometers				41.5-55.4	46.7-60.4	51.0-61.0	47.3-61.0	45.8-62.1	49.7-62.0	48.0-62.0	49.4-62.0	47.3-62.0	50.9-61.0	51.0-61.0	50.6-62.0	50.8-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	51.0-61.0	Extremes of Temperature as shown by the Self-Registering Thermometers			

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 temperature being regulated by Kulberg's automatic governor which controls the supply 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.

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

Only those Chronometers have been included in this list for which a day has not exceeded 12 seconds.

NAME OF MAKER.	No.	Whether on trial	ADDRESS OF MAKER.	Construction of Escapement and Balance, Description furnished by the Maker.	(III.) ABSTRACT OF	
					Least Weekly Sum.	Extremes of Temperature.
					+	-
Kullberg	5059	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	+ 4.0	58.8 - 76.8
Kullberg	5066	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 2.6	47.3 - 61.8
Uhrig	518	2	S. Quadrant Road, Essex Road, N.	Uhrig's continually acting auxiliary; bright steel spring.	- 1.4	61.8 - 85.8
Kullberg	5066	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 3.5	58.0 - 105.6
Kullberg	5486	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 1.4	49.4 - 57.8
Johannsen & Co.	4597	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 3.0	55.8 - 75.8
Uhrig	518	2	S. Quadrant Road, Essex Road, N.	Uhrig's continually acting auxiliary; bright steel spring.	- 1.4	61.8 - 85.8
E. Dent & Co.	4888	2	61, Strand, W.C.	Dent's balance; bright steel spring.	- 7.8	49.4 - 57.8
Kullberg	5059	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	+ 2.4	55.8 - 67.8
Kullberg	5066	2	105, Liverpool Road, N.	Auxiliary compensation acting in heat; palladium spring.	- 3.5	58.0 - 105.6
E. Dent & Co.	48788	2	61, Strand, W.C.	Dent's balance; bright steel spring.	- 8.4	51.8 - 61.8
Johannsen & Co.	4597	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 3.0	55.8 - 75.8
Greenough & Sons	5088	2	45, Newport Street, Bolton.	Kullberg's auxiliary balance; palladium spring.	- 10.4	47.8 - 61.8
Kullberg	5018	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 11.8	80.4 - 47.8
Kullberg	5002	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 8.0	80.4 - 47.8
Johannsen & Co.	4594	2	110, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	- 2.8	55.8 - 61.8
Kullberg	5059	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 7.6	49.4 - 57.8
Kullberg	5021	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 27.6	89.4 - 55.8
Kendal & Dent	5054	2	105, Chancery, E.C.	Ordinary balance; palladium spring.	- 18.8	45.8 - 58.8
Johannsen & Co.	4595	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 7.0	55.8 - 75.8
Johannsen & Co.	4588	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	- 7.9	55.8 - 65.8
Johannsen & Co.	4576	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	- 30.9	41.8 - 105.6
Gardner	5174	2	20, Lloyd's Square, W.C.	Compensation for extreme; palladium spring.	- 10.5	45.7 - 55.8
Gardner	5175	2	20, Lloyd's Square, W.C.	Compensation for extreme; palladium spring.	- 10.5	45.7 - 55.8
Kullberg	5059	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 10.5	45.7 - 55.8
Johannsen & Co.	4551	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 8.9	55.8 - 75.8
Johannsen & Co.	4552	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 9.9	55.8 - 75.8
Kullberg	5059	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 9.7	55.8 - 75.8
Iverson	1187	2	21, Great Portland Street, W.	Auxiliary compensation acting in cold; blue steel spring.	+ 9.7	55.8 - 75.8
Johannsen & Co.	4590	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 9.7	55.8 - 75.8
Uhrig	504	2	S. Quadrant Road, Essex Road, N.	Uhrig's continually acting auxiliary; bright steel spring.	- 0.9	65.6 - 76.8
Gardner	5174	2	20, Lloyd's Square, W.C.	Compensation for extreme; palladium spring.	- 28.1	49.4 - 57.8
Johannsen & Co.	4547	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	- 9.8	55.8 - 65.8
Kullberg	5059	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 11.8	80.4 - 47.8
E. Dent & Co.	4880	2	61, Strand, W.C.	Dent's balance; bright steel spring.	- 1.6	74.8 - 65.8
Johannsen & Co.	4585	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 2.5	49.4 - 57.8
Johannsen & Co.	4590	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	- 7.5	55.8 - 65.8
Kullberg	5059	2	105, Liverpool Road, N.	Kullberg's auxiliary balance; palladium spring.	- 9.8	74.8 - 65.8
Bishop & Sons	5171	2	6, Fore Street, Towerbridge.	Auxiliary compensation acting in heat; palladium spring.	+ 1.4	55.8 - 75.8
Johannsen & Co.	4588	2	149, Minorities, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 1.4	55.8 - 75.8

The sign + indicates that the rate is gaining.

THE PRINCIPAL CHANGES OF RATE DURING THE 2 WEEKS.

Mean Temperature.	Greatest Weekly Sum.	Extremes of Temperature.	Mean Temperature.	Difference between the Greatest and Least (a)	Greatest Difference between one Week and the next (b)	Mean Temperature for these two Weeks.	Trial No. a + 2 b.	NAME OF MAKER.	No.
70.6	+ 0.1	71.4 - 83.7	79.8	5.1	5.7	91.8 - 70.8	18.6	Kullberg	5059
81.9	+ 2.6	68.0 - 74.5	70.0	5.1	4.1	91.7 - 80.3	18.5	Kullberg	5066
49.4	+ 5.4	72.8 - 80.6	80.4	6.8	5.4	80.7 - 80.3	17.0	Uhrig	518
59.7	+ 5.4	62.7 - 67.4	63.9	6.8	4.9	63.9 - 64.4	10.1	Kullberg	5056
100.8	+ 4.8	60.9 - 67.4	63.9	9.3	5.3	63.9 - 79.8	19.2	Kullberg	5486
63.0	+ 7.4	71.4 - 83.7	79.8	8.8	5.3	63.9 - 64.4	21.8	Johannsen & Co.	4597
70.6	+ 18.4	71.4 - 83.7	79.8	9.8	4.8	63.9 - 64.4	10.4	Uhrig	518
81.9	+ 0.2	69.9 - 67.4	63.9	9.8	5.3	63.9 - 64.4	10.4	E. Dent & Co.	4888
49.4	+ 11.2	71.4 - 83.7	79.8	9.8	5.3	63.9 - 64.4	21.8	Kullberg	5056
59.7	+ 2.6	62.7 - 67.4	63.9	11.1	5.1	63.9 - 79.8	21.8	Johannsen & Co.	4597
64.4	+ 18.2	65.7 - 67.4	63.9	9.8	5.3	63.9 - 64.4	21.8	E. Dent & Co.	48788
55.6	+ 0.4	60.9 - 67.4	63.9	8.8	0.4	79.8 - 55.6	21.6	Johannsen & Co.	4594
70.6	+ 12.1	71.4 - 83.7	79.8	12.1	5.3	63.9 - 64.4	21.6	Greenough & Sons	5088
81.9	+ 0.2	69.9 - 67.4	63.9	10.7	6.1	63.9 - 64.4	21.6	Kullberg	5018
49.4	+ 0.5	60.9 - 67.4	63.9	12.8	5.7	63.9 - 64.4	21.6	Kullberg	5002
59.7	+ 5.1	60.9 - 67.4	63.9	13.6	6.1	63.9 - 64.4	21.6	Johannsen & Co.	4595
59.7	+ 7.1	71.4 - 83.7	79.8	9.9	7.0	79.8 - 55.6	23.9	Johannsen & Co.	4588
49.4	+ 6.2	60.9 - 67.4	63.9	8.1	4.9	63.9 - 64.4	24.1	Johannsen & Co.	4576
63.0	+ 0.8	60.9 - 67.4	63.9	11.7	0.6	63.9 - 64.4	24.1	Gardner	5174
87.5	- 17.7	60.9 - 67.4	63.9	9.9	7.5	63.9 - 64.4	24.1	Kendal & Dent	5054
60.7	- 0.8	60.9 - 67.4	63.9	13.0	6.1	63.9 - 64.4	24.1	Johannsen & Co.	4590
70.6	+ 21.8	51.8 - 61.8	54.6	14.8	5.3	63.9 - 64.4	25.4	Johannsen & Co.	4588
60.4	+ 4.9	60.9 - 67.4	63.9	13.6	6.4	63.9 - 64.4	25.6	Johannsen & Co.	4576
100.8	+ 10.9	60.9 - 67.4	63.9	13.6	6.4	63.9 - 64.4	25.6	Gardner	5174
47.6	- 8.0	60.9 - 67.4	63.9	12.9	7.2	63.9 - 64.4	25.6	Gardner	5175
49.7	+ 2.5	60.9 - 67.4	63.9	13.0	7.2	79.8 - 55.6	27.4	Kullberg	5057
73.6	+ 24.4	71.4 - 83.7	79.8	17.5	8.0	63.9 - 64.4	27.6	Johannsen & Co.	4581
59.4	+ 6.2	71.4 - 83.7	79.8	15.1	6.2	63.9 - 64.4	27.6	Johannsen & Co.	4590
61.7	+ 2.5	60.9 - 67.4	63.9	14.9	6.0	63.9 - 64.4	28.1	Kullberg	5056
90.5	+ 13.0	71.4 - 83.7	79.8	15.0	7.1	63.9 - 64.4	27.6	Johannsen & Co.	4590
70.6	+ 20.1	57.8 - 61.4	59.2	16.4	6.1	49.7 - 53.0	28.0	Johannsen & Co.	4580
70.0	+ 18.4	45.7 - 55.6	49.7	17.8	5.9	64.4 - 53.9	30.1	Uhrig	504
64.4	+ 14.8	92.8 - 103.8	98.5	13.8	8.1	80.7 - 80.3	29.0	Gardner	5171
50.7	+ 8.1	60.9 - 67.4	63.9	13.9	8.9	60.7 - 80.3	29.0	Johannsen & Co.	4547
49.7	+ 3.0	60.9 - 67.4	63.9	14.3	8.1	50.7 - 50.3	30.4	Kullberg	5057
55.6	+ 13.9	51.8 - 61.8	55.6	15.5	7.6	91.8 - 79.8	30.7	E. Dent & Co.	4880
53.0	+ 18.2	71.4 - 83.7	79.8	15.8	7.8	49.7 - 53.0	30.8	Johannsen & Co.	4585
59.4	+ 9.3	71.4 - 83.7	79.8	15.5	7.4	59.7 - 59.7	31.3	Johannsen & Co.	4590
50.7	+ 0.5	65.6 - 75.1	79.8	15.6	7.8	79.8 - 55.6	31.6	Kullberg	5052
87.5	+ 13.4	57.8 - 61.4	59.2	15.0	8.9	100.7 - 87.5	31.6	Bishop & Sons	5171
73.6	+ 14.1	57.8 - 61.4	59.2	12.7	9.9	79.8 - 55.6	32.6	Johannsen & Co.	4588

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. The Trial No. a + 2 b is taken as a measure of the irregularity of rate.

NAME OF MAKER.	No.	Weather on 3 days.	ADDRESS OF MAKER.	Construction of Escapement and Balance, from the Description furnished by the Maker.	(III.) ABSTRACT OF	
					Least Weekly Sum.	Extremes of Temperature.
E. Dent & Co.	48760	2	61, Strand, W.C.	Dent's balance; bright steel spring.	— 18.0	55.3 — 61.8
Isaac	1940	2	10, Spencer Street, Clerkenwell, E.C.	Ordinary escapement; palladium spring.	— 1.0	55.3 — 61.8
Gardner	1775	2	20, Lloyd's Square, W.C.	Compensation for extremes; palladium spring.	+ 0.8	49.6 — 52.1
Pyott	958	2	74, West India Dock Road, E.	Auxiliary compensation; bright steel spring.	— 10.5	50.0 — 105.0
Johannsen & Co.	4500	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	— 11.6	49.4 — 57.3
Johannsen & Co.	4599	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 2.7	52.3 — 67.5
Johannsen & Co.	4595	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 3.8	55.3 — 61.8
Johannsen & Co.	4594	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	— 1.0	55.0 — 52.9
J. B. Dent & Sons	5598	2	180, Blackfriars Road, E.C.	Ordinary balance; palladium spring.	— 7.0	55.0 — 105.0
Gardner	1775	2	20, Lloyd's Square, W.C.	Compensation for extremes; palladium spring.	0.0	41.5 — 56.4
Kern	952	2	91, Piccadilly, W.	Auxiliary balance; bright steel spring.	— 12.1	52.8 — 105.0
J. B. Dent & Sons	5595	2	180, Blackfriars Road, E.C.	Ordinary balance; bright steel spring.	— 5.2	54.0 — 52.9
Pyott	958	2	74, West India Dock Road, E.	Ordinary balance; bright steel spring.	— 9.5	53.0 — 105.0
Uhrig	603	2	4, Quadrant Road, Essex Road, N.	Uhrig's continually acting auxiliary; bright steel spring.	— 18.2	47.8 — 61.6
Haswell & Sons	5920	2	49 & 50, Spence Street, Clerkenwell, E.C.	Non-magnetic balance, without auxiliary; palladium spring.	— 18.0	47.8 — 97.0
Johannsen & Co.	4549	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 4.1	55.0 — 75.6
Johannsen & Co.	4550	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	+ 5.3	55.0 — 75.6
Iverson	1158	2	29, Great Portland Street, W.	Auxiliary compensation acting in cold; blue steel spring.	— 12.8	50.4 — 53.9
Johannsen & Co.	4598	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	— 12.3	45.0 — 53.1
Johannsen & Co.	4500	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	— 8.5	52.8 — 103.8
Pyott	958	2	74, West India Dock Road, E.	Auxiliary balance; bright steel spring.	— 11.6	53.0 — 105.0
Johannsen & Co.	4591	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	— 1.7	55.0 — 75.6
Johannsen & Co.	4513	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	— 13.5	45.7 — 55.0
Webb	5577	2	23, Arwell Street, E.C.	Ordinary balance; palladium spring.	— 43.9	48.0 — 53.2
Johannsen & Co.	4400	2	149, Minories, E.C.	Auxiliary compensation acting in heat; palladium spring.	— 9.9	41.5 — 56.4
Gardner	1775	2	20, Lloyd's Square, W.C.	Compensation for extremes, palladium spring.	+ 11.2	55.8 — 75.6

The sign + indicates that the rate is gaining.

THE PRINCIPAL CHANGES OF RATE DURING THE 2 WEEKS.

Mean Temperature.	Greatest Weekly Sum.	Extremes of Temperature.	Mean Temperature.	Difference between the Greatest and Least. (a)	Greatest Difference between one Week and the next. (b)	Mean Temperature for these two Weeks.	Trial No. + 2 d.	NAME OF MAKER.	No.
55.7	— 1.6	53.0 — 105.0	100.8	18.5	8.3	49.7 — 53.0	38.1	E. Dent & Co.	48760
59.7	+ 15.6	71.4 — 83.7	79.8	16.6	5.0	79.8 — 55.0	38.2	Isaac	1940
50.7	+ 17.1	50.0 — 57.4	53.9	16.3	9.0	55.7 — 53.3	34.3	Gardner	1775
100.8	+ 6.0	48.7 — 53.3	50.7	15.5	9.0	55.7 — 53.3	34.3	Pyott	958
53.0	+ 2.8	50.0 — 57.4	53.9	14.4	10.4	55.7 — 53.3	34.3	Johannsen & Co.	4500
59.7	+ 19.8	71.4 — 83.7	79.8	17.1	9.3	49.7 — 53.0	35.6	Johannsen & Co.	4599
59.4	+ 21.5	71.4 — 83.7	79.8	17.1	9.3	59.3 — 55.7	36.1	Johannsen & Co.	4595
59.4	+ 14.4	41.5 — 56.4	47.8	16.3	10.0	49.7 — 53.0	35.3	Johannsen & Co.	4594
100.8	+ 8.0	41.5 — 56.4	47.6	15.9	10.3	51.8 — 79.8	35.5	J. B. Dent & Sons	5598
57.0	+ 15.7	50.0 — 56.7	53.6	15.7	10.4	55.7 — 53.3	35.6	Gardner	1775
100.8	+ 5.3	47.2 — 61.8	51.9	18.4	9.1	100.8 — 87.5	36.6	Kern	952
59.4	+ 11.6	48.0 — 52.9	53.4	10.8	10.0	49.7 — 53.0	35.8	J. B. Dent & Sons	5595
100.8	+ 0.2	50.0 — 57.4	53.9	15.7	10.6	80.6 — 98.5	36.9	Pyott	958
59.5	+ 0.3	50.0 — 57.4	53.9	24.4	6.5	59.3 — 59.7	37.4	Uhrig	603
51.8	+ 2.9	55.0 — 70.1	70.6	30.9	5.6	59.3 — 59.7	38.1	Haswell & Sons	5920
70.6	+ 25.8	71.4 — 83.7	79.8	21.7	8.3	50.7 — 80.3	38.3	Johannsen & Co.	4549
70.6	+ 26.0	71.4 — 83.7	79.8	20.7	8.9	87.5 — 59.2	38.5	Johannsen & Co.	4550
57.5	+ 5.9	45.7 — 55.0	49.7	18.5	10.6	57.5 — 59.2	39.7	Iverson	1158
50.7	+ 2.4	50.8 — 103.8	58.5	17.7	11.1	50.7 — 80.3	39.9	Johannsen & Co.	4598
98.6	+ 13.5	51.0 — 61.2	55.6	21.8	9.7	51.8 — 79.8	41.2	Johannsen & Co.	4500
100.8	+ 7.4	41.5 — 55.4	47.6	19.0	11.3	30.6 — 55.5	41.0	Pyott	958
70.6	+ 21.7	45.7 — 55.0	49.7	23.4	10.3	49.7 — 53.0	44.0	Johannsen & Co.	4591
49.7	+ 7.7	59.3 — 88.7	80.6	21.2	11.5	54.4 — 80.6	44.8	Johannsen & Co.	4513
53.4	+ 8.0	50.0 — 75.6	70.6	35.3	9.3	55.7 — 53.0	45.0	Webb	5577
47.6	+ 21.7	71.4 — 83.7	79.8	23.6	10.9	49.7 — 53.0	50.4	Johannsen & Co.	4400
70.6	+ 45.9	51.0 — 51.2	55.6	34.7	0.0	59.2 — 59.7	52.7	Gardner	1775

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. The trial number + 2 is taken as a measure of the irregularities of rate.

Only those Chronometers have been included in this list for which δ did not exceed 12 seconds.