

RATES OF CHRONOMETERS
ON TRIAL
FOR PURCHASE BY THE BOARD OF ADMIRALTY,
AT THE
ROYAL OBSERVATORY, GREENWICH.

1846.

RATES OF CHRONOMETERS ON TRIAL FOR PURCHASE BY THE ADMIRALTY,

NAME OF MAKER.	Number.	Whether Pocket, 1, 2, or 8 Days.	(I)—WEEKLY SUMS OF DAILY RATES											
			Jan. 17—24	Jan. 24—31	Jan. 31— Feb. 7	Feb. 7—14	Feb. 14—21	Feb. 21—28	Feb. 28— Mar. 7	Mar. 7—14	Mar. 14—21	Mar. 21—28	Mar. 28— Apr. 4	April 4—11
														†
Hutton	138	8	...	...	+ 3.5	- 0.3	- 0.1	- 0.1	+ 3.3	+ 2.8	+ 1.1	+ 2.6	+ 2.9	0.0
Shepherd	479	2	...	- 9.3	- 10.1	- 13.9	- 13.1	- 8.5	- 6.7	- 9.0	- 11.2	- 9.4	- 8.0	- 11.8
Baker	1093	2	...	- 1.3	- 4.2	- 8.7	- 5.8	- 0.7	- 0.5	- 2.7	- 1.8	- 1.2	+ 0.3	- 3.6
Baker	1098	2	...	+ 16.4	+ 14.5	+ 13.7	+ 9.9	+ 16.7	+ 14.0	+ 11.4	+ 13.9	+ 17.6	+ 19.5	+ 15.6
Parkinson and Frodsham..	2595	2	+ 1.5	+ 4.0	+ 0.1	- 8.8	- 4.3	+ 3.5	+ 2.8	- 0.7	- 1.0	- 1.1	+ 2.7	+ 3.6
H. Parkinson	635	2	...	- 5.3	- 9.6	- 18.3	- 17.2	- 11.6	- 12.6	- 16.8	- 17.4	- 14.9	- 13.2	- 16.2
Cotterell and Co.	2527	2	- 13.3	- 14.8	- 21.2	- 27.6	- 24.2	- 20.1	- 18.2	- 23.8	- 24.0	- 24.4	- 20.0	- 14.3
Poole	1176	2	...	...	...	...	...	...	...	+ 3.9	+ 4.6	+ 4.3	+ 0.1	- 5.3
Fletcher	1188	2	...	+ 3.1	- 0.3	- 6.9	- 0.4	+ 4.4	+ 2.7	+ 0.4	- 0.9	+ 0.1	+ 1.2	- 1.3
E. J. Massey	126	2	- 2.0	- 3.0	- 1.5	+ 2.2	- 0.1	- 1.7	- 1.1	+ 1.3	+ 3.4	+ 3.7	+ 2.1	- 2.2
Carter	471	2	...	+ 32.7	+ 29.8	+ 23.3	+ 27.4	+ 32.3	+ 31.3	+ 30.4	+ 28.5	+ 29.2	+ 30.3	+ 24.7
Lister and Sons	400	2	...	- 10.8	- 14.9	- 24.2	- 21.3	- 13.9	- 17.2	- 23.2	- 25.5	- 23.5	- 21.7	- 19.6
Loseby	102*	2	...	...	...	...	(+ 5.3)	- 4.5	- 4.3	- 1.7	+ 2.1	+ 3.5	+ 4.5	[+ 0.4]
Loseby	107*	2	...	...	...	...	(+ 7.3)	- 1.6	- 0.6	+ 1.7	+ 4.0	+ 1.5	- 0.9	[+ 6.1]
Norris and Campbell ..	475	2	...	+ 15.1	+ 11.9	+ 10.4	+ 14.0	+ 16.7	+ 16.7	+ 9.8	+ 16.5	+ 12.5	+ 14.1	+ 21.1
Reid and Sons	1066	2	...	+ 5.9	+ 2.9	+ 1.9	0.0	+ 2.8	+ 0.8	- 1.2	+ 0.5	+ 1.5	+ 0.5	- 3.3
Poole	1168	2	...	+ 2.4	+ 0.4	- 2.8	- 3.6	+ 0.4	+ 0.8	- 0.2	- 0.5	+ 0.2	+ 1.4	- 0.4
Poole	1179	2	...	...	...	...	...	...	...	+ 10.1	+ 9.9	+ 8.6	+ 6.1	+ 5.4
Carter	410	2	...	+ 22.6	+ 19.4	+ 12.8	+ 15.1	+ 22.6	+ 22.8	+ 21.5	+ 20.4	+ 23.7	+ 27.8	+ 20.6
Appleton	485	2	...	- 9.1	- 12.1	- 14.1	- 12.2	- 7.3	- 6.2	- 6.8	- 7.4	- 4.1	- 2.8	- 6.4
Appleton	474	2	...	+ 3.1	+ 2.4	- 2.1	+ 1.2	+ 8.4	+ 9.3	+ 8.3	+ 8.0	+ 10.0	+ 11.1	+ 1.6
Widenham	2319	2	...	+ 1.8	0.0	- 6.9	- 2.5	+ 11.4	+ 8.2	+ 6.9	+ 5.9	+ 3.1	+ 4.1	+ 6.0
A. Clark	1198	2	...	+ 8.0	+ 8.3	- 15.8	+ 12.5	+ 6.9	+ 9.8	+ 12.7	+ 16.5	+ 17.5	+ 13.6	+ 0.2
Loseby	108*	2	...	...	...	...	(+ 17.5)	+ 15.7	+ 14.8	+ 15.2	+ 15.6	+ 13.0	+ 13.1	[+ 28.1]
Parkinson and Frodsham..	2958	P	- 13.8	- 12.8	- 17.0	- 30.4	- 25.1	- 16.9	- 13.4	- 16.9	- 17.4	- 15.2	- 13.3	- 10.9
Webb, Jun.	5552	2	...	- 8.8	- 9.4	- 22.0	- 14.6	- 7.7	- 9.4	- 9.9	- 9.4	- 6.2	+ 1.2	- 5.9
Reid and Sons	1065	2	...	- 4.4	- 7.1	- 9.8	- 9.1	- 7.2	- 7.6	- 9.7	- 10.1	- 8.9	- 6.9	- 1.4
Birchall	300	P	...	- 10.5	- 6.8	- 9.6	- 7.1	- 20.6	- 15.4	- 1.1	- 4.8	+ 0.7	- 3.3	- 14.3
Connell	451	2	...	+ 41.7	+ 41.8	+ 36.4	+ 39.7	+ 51.0	+ 52.8	+ 50.2	+ 48.0	+ 50.9	+ 54.2	+ 53.6
Hutton	145	2	...	...	- 0.7	- 11.7	- 5.3	+ 4.5	+ 3.3	- 1.0	+ 0.4	+ 3.4	+ 8.1	+ 2.6
H. Frodsham	2721	2	- 13.5	- 11.0	- 11.8	- 24.2	- 21.5	- 6.5	- 4.1	- 9.1	- 13.5	- 12.0	- 6.0	+ 1.1
Loseby	109*	2	...	...	...	...	(- 3.7)	- 13.1	- 21.5	- 26.9	- 32.0	- 34.5	- 39.9	[- 42.6]
Parkinson and Frodsham..	2633	2	+ 6.1	+ 7.7	+ 14.0	+ 27.7	+ 20.7	+ 4.4	+ 4.7	+ 15.3	+ 18.6	+ 17.8	+ 9.8	+ 3.6
Birchall	351*	2	...	- 2.6	+ 0.6	(+ 3.4)	(+ 8.1)	+ 12.0	+ 13.8	+ 14.5	+ 18.3	+ 21.0	+ 19.5	[+ 5.7]
Hewitt	1371	2	...	- 4.7	- 9.1	- 20.9	- 16.5	- 9.7	- 10.4	- 13.9	- 16.4	- 14.6	- 11.5	- 5.8
Daniels	394	2	...	+ 6.8	+ 2.8	- 11.6	- 8.1	+ 7.4	+ 6.8	+ 1.3	- 3.0	- 2.3	+ 2.8	+ 5.7
D. Bouts	365	2	...	+ 2.0	- 2.8	- 17.9	- 10.9	+ 1.2	+ 1.4	- 6.7	- 7.0	- 5.2	- 1.2	+ 14.6
Muston	949	2	...	+ 11.0	+ 11.8	+ 13.4	+ 14.1	+ 9.5	+ 8.9	+ 10.8	+ 12.4	+ 15.0	+ 13.2	- 7.7
Muirhead	339	2	...	+ 29.8	+ 32.3	+ 40.7	+ 37.7	+ 27.0	+ 26.9	+ 30.7	+ 32.5	+ 34.5	+ 19.6	+ 16.1
Hewitt	1351	2	...	+ 0.2	- 2.8	- 17.1	- 9.7	- 2.1	- 1.7	- 4.8	- 6.9	- 6.0	- 3.3	- 1.1
Adams	2601	2	...	- 55.5	- 57.6	- 61.7	- 58.4	- 58.5	- 59.3	- 64.1	- 65.1	- 66.5	- 65.3	- 63.9
Eiffe	528	2	...	- 53.8	- 54.1	- 67.3	- 64.7	- 52.3	- 52.6	- 54.6	- 50.5	- 51.0	- 44.3	- 39.8
C. Frodsham	1485*	2	...	- 16.4	- 20.6	(- 14.6)	(- 22.8)	- 18.6	- 17.2	- 20.6	- 14.3	- 17.8	- 18.4	[- 29.9]
Eiffe	525	2	...	- 9.8	- 10.3	- 12.4	- 9.0	- 6.1	- 0.8	+ 3.9	+ 5.9	+ 7.0	+ 7.7	+ 20.2
Hewitt	1295	2	...	- 9.3	- 11.4	- 31.2	- 27.3	- 10.5	- 11.3	- 16.1	- 18.4	- 16.6	- 11.9	- 11.9
Arnold and C. Frodsham..	1509*	2	...	- 0.5	+ 0.3	(- 0.7)	(+ 4.9)	+ 12.9	+ 18.2	+ 22.9	+ 25.5	+ 26.4	+ 31.2	[+ 9.9]
Dixon	169	2	...	+ 6.1	- 10.6	- 14.3	- 5.8	- 5.4	+ 5.9	+ 6.3	+ 3.4	+ 7.0	+ 8.6	+ 6.7
H. Frodsham	2703	2	- 14.9	- 15.5	- 16.1	- 25.6	- 21.6	- 8.6	- 7.2	- 13.1	- 12.6	- 12.0	- 8.9	+ 3.6
Chronometrical Therm.	...	..	+ 1003.0	+ 965.2	+ 1051.4	+ 1770.1	+ 1455.1	+ 677.2	+ 784.5	+ 1157.5	+ 1221.0	+ 1201.3	+ 962.6	- 1240.8
Range of Thermometer in Chronometer Room ..	.....	..	42° to 52°	46° to 52°	43° to 51°	34° to 48°	38° to 50°	50° to 57°	45° to 57°	41° to 49°	37° to 51°	40° to 48°	44° to 55°	70° to 84°
Range of Thermometer in open air, or in heated Iron Tray, for the Chronometers marked with an Asterisk.	.....	..	.....	.....	.....	27° to 45°	31° to 50°	.....	.....	.....	.....	.....	.....	84° to 118°

* These Chronometers were exposed to the open air on the north side of the building, during the weeks in which their rates are inclosed in parentheses (); and were placed near to the stove in a temperature of about 100°, during the weeks in which their rates are inclosed in brackets [].

† In these weeks the room was heated by a stove.

The rate given by the first week's trial is in every case omitted.

IN THE ORDER OF TIME.

												NAME OF MAKER.	Number.
April 11—18	April 18—25	April 25— May 2	May 2—9	May 9—16	May 16—23	May 23—30	May 30— June 6	June 6—13	June 13—20	June 20—27	June 27— July 4		
— 0.2	— 2.0	+ 2.8	+ 5.5	+ 6.9	+ 9.7	+ 6.1	+ 4.1	+ 1.4	— 1.5	+ 6.1	+ 7.3	Hutton	138
— 11.1	— 5.2	+ 1.6	— 2.8	— 1.2	— 2.8	— 7.3	— 7.3	— 6.5	— 4.4	— 1.8	— 0.5	Shepherd	479
— 9.5	— 11.7	— 2.8	— 2.5	— 1.5	— 1.4	— 2.3	— 2.9	— 7.9	— 11.8	— 5.0	— 4.0	Baker	1093
+ 9.0	+ 10.3	+ 16.1	+ 16.3	+ 18.2	+ 18.7	+ 17.2	+ 16.6	+ 10.7	+ 3.9	+ 11.3	+ 11.1	Baker	1098
— 2.5	— 3.2	— 4.4	+ 3.1	+ 4.8	+ 0.9	+ 1.2	+ 2.4	— 2.6	— 8.0	— 1.8	— 1.7	Parkinson and Frodsham	2595
— 17.0	— 15.7	— 13.5	— 11.8	— 10.1	— 8.8	— 10.3	— 11.2	— 16.9	— 18.2	— 8.2	— 7.1	H. Parkinson	635
— 12.9	— 11.8	— 6.4	— 6.9	— 8.7	— 11.3	— 17.3	— 20.0	— 14.3	— 11.4	— 12.2	— 19.2	Cotterell and Co.	2327
— 0.8	— 0.1	+ 5.8	+ 5.9	+ 7.2	+ 8.7	+ 8.4	+ 7.4	+ 0.9	— 0.4	+ 9.6	+ 10.4	Poole	1176
— 9.3	— 5.2	— 4.3	— 5.5	— 3.4	— 3.6	+ 2.7	+ 6.2	— 0.3	— 4.0	+ 6.4	+ 5.8	Fletcher	1188
— 2.3	+ 1.3	+ 10.1	+ 11.1	+ 12.4	+ 14.2	+ 12.2	+ 5.6	+ 2.1	0.0	+ 9.8	+ 9.9	E. J. Massey	126
+ 23.2	+ 22.1	+ 28.1	+ 33.5	+ 34.5	+ 36.2	+ 31.6	+ 30.6	+ 21.7	+ 18.0	+ 27.8	+ 31.4	Carter	471
— 19.4	— 16.8	— 18.8	— 14.4	— 11.7	— 11.8	— 13.1	— 10.5	— 14.4	— 15.4	— 6.9	— 5.6	Lister and Sons	400
[+ 2.2]	[+ 7.8]	— 0.1	+ 5.4	+ 9.3	+ 14.2	+ 10.2	+ 8.6	[+ 11.2]	[+ 15.6]	+ 10.6	+ 13.4	Loseby	102*
[+ 15.0]	[+ 21.3]	+ 15.3	+ 10.9	+ 11.0	+ 12.1	+ 7.8	+ 8.5	[+ 10.4]	[+ 13.4]	+ 11.7	+ 14.0	Loseby	107*
+ 19.1	+ 22.6	+ 19.7	+ 27.6	+ 30.9	+ 29.2	+ 30.2	+ 31.7	+ 26.9	+ 24.9	+ 33.2	+ 34.2	Norris and Campbell	475
— 0.7	+ 3.4	+ 12.3	+ 17.0	+ 17.9	+ 19.2	+ 16.7	+ 13.6	+ 7.7	+ 6.9	+ 16.3	+ 17.0	Reid and Sons	1066
+ 2.5	+ 4.8	+ 10.0	+ 11.9	+ 14.2	+ 14.6	+ 13.8	+ 12.8	+ 6.8	+ 4.8	+ 15.5	+ 16.5	Poole	1168
+ 8.1	+ 12.3	+ 16.7	+ 19.8	+ 21.6	+ 22.6	+ 22.5	+ 23.8	+ 21.1	+ 20.2	+ 29.2	+ 30.2	Poole	1179
+ 15.5	+ 14.8	+ 22.8	+ 26.4	+ 28.4	+ 25.6	+ 23.8	+ 22.6	+ 11.2	+ 7.5	+ 17.2	+ 17.5	Carter	410
— 9.2	— 7.9	+ 1.7	+ 4.1	+ 5.1	+ 6.3	+ 5.8	+ 3.2	— 6.0	— 8.4	+ 3.4	+ 5.1	Appleton	485
— 1.9	+ 1.2	+ 11.3	+ 13.2	+ 14.7	+ 15.1	+ 13.3	+ 10.7	+ 0.5	— 0.9	+ 12.6	+ 14.9	Appleton	474
+ 7.1	+ 8.8	+ 5.2	+ 10.5	+ 9.4	+ 9.1	+ 10.1	+ 10.8	+ 4.3	+ 2.5	+ 10.1	+ 9.2	Widenham	2319
+ 2.6	+ 5.6	+ 9.8	+ 14.0	+ 16.5	+ 18.2	+ 16.0	+ 16.7	+ 13.3	+ 12.0	+ 18.1	+ 20.4	A. Clark	1198
[+ 25.0]	[+ 29.8]	+ 18.2	+ 14.5	+ 15.4	+ 16.3	+ 13.6	+ 15.1	[+ 26.6]	[+ 30.6]	+ 19.7	+ 15.9	Loseby	106*
— 11.6	— 12.4	— 12.5	— 13.4	— 12.7	— 10.4	— 12.0	— 11.1	— 15.6	— 15.1	— 9.0	— 12.5	Parkinson and Frodsham	2958
— 7.9	— 4.8	— 4.6	— 9.4	— 6.4	— 10.1	— 10.0	— 5.9	+ 1.2	— 2.8	— 5.8	— 8.4	Webb, Jun.	5552
+ 3.0	+ 8.8	+ 12.2	+ 15.7	+ 16.2	+ 17.7	+ 18.6	+ 19.1	+ 15.1	+ 17.3	+ 24.6	+ 23.7	Reid and Sons	1065
— 14.0	— 12.7	— 4.6	— 3.7	— 2.8	— 1.3	— 3.3	— 4.3	— 14.3	— 13.6	— 3.6	+ 2.3	Birchall	300
+ 52.6	+ 54.8	+ 56.2	+ 60.6	+ 60.8	+ 61.2	+ 62.2	+ 63.2	+ 57.1	+ 54.4	+ 66.3	+ 66.2	Connell	451
+ 1.8	+ 5.4	+ 14.3	+ 16.4	+ 15.0	+ 15.1	+ 13.3	+ 13.1	+ 5.3	+ 3.5	+ 15.3	+ 17.2	Hutton	145
+ 0.6	— 0.7	— 3.7	+ 2.1	+ 1.7	+ 0.7	— 0.8	+ 2.6	— 1.5	— 4.1	+ 2.5	+ 0.9	H. Frodsham	2721
[— 44.3]	[— 44.7]	— 41.9	— 43.9	— 39.6	— 38.8	— 41.4	— 41.3	[— 41.5]	[— 37.3]	— 37.3	— 41.5	Loseby	109*
+ 1.5	— 0.7	— 1.3	— 1.0	— 1.1	+ 0.2	+ 2.2	+ 7.0	+ 9.6	+ 7.3	+ 7.1	+ 5.9	Parkinson and Frodsham	2633
[+ 6.0]	[+ 6.7]	+ 23.2	+ 27.1	+ 27.4	+ 24.2	+ 25.2	+ 25.6	[+ 19.4]	[+ 19.0]	+ 27.6	+ 25.9	Birchall	351*
+ 1.9	+ 8.4	+ 11.7	+ 14.7	+ 15.2	+ 14.2	+ 12.2	+ 12.6	+ 7.8	+ 9.5	+ 21.0	+ 22.5	Hewitt	1371
+ 3.5	+ 7.3	+ 0.2	+ 13.5	+ 10.6	+ 9.9	+ 17.2	+ 25.2	+ 15.2	+ 12.6	+ 17.1	+ 17.4	Daniels	394
+ 18.4	+ 19.0	+ 8.6	+ 16.2	+ 10.2	+ 11.2	+ 9.9	+ 14.4	+ 18.2	+ 14.5	+ 13.7	+ 15.6	D. Bouts	365
— 8.1	— 11.8	+ 5.3	+ 5.9	+ 10.4	+ 13.2	+ 10.2	+ 5.7	+ 1.2	+ 1.3	+ 6.4	+ 8.3	Muston	949
+ 20.0	+ 19.8	+ 15.7	+ 11.0	+ 13.9	+ 18.0	+ 7.9	+ 7.6	+ 22.2	+ 22.8	+ 7.0	— 1.8	Muirhead	339
+ 3.1	+ 7.4	+ 13.0	+ 18.6	+ 18.6	+ 19.5	+ 19.1	+ 19.2	+ 14.1	+ 13.7	+ 26.6	+ 28.9	Hewitt	1351
— 59.5	— 54.3	— 33.1	— 50.2	— 57.5	— 58.8	— 62.3	— 66.7	— 66.6	— 62.3	— 51.4	— 56.3	Adams	2601
— 29.0	— 28.3	— 39.7	— 29.3	— 37.3	— 36.5	— 31.3	— 28.4	— 25.3	— 18.9	— 33.0	— 24.0	Eiffe	528
[— 22.8]	[— 19.9]	— 12.1	— 0.6	+ 2.8	+ 3.8	+ 4.6	+ 11.1	[— 2.2]	[— 6.4]	+ 10.5	+ 13.3	C. Frodsham	1485*
+ 24.2	+ 26.8	+ 8.4	+ 7.9	+ 9.4	+ 8.3	+ 6.7	+ 15.1	+ 25.3	+ 28.5	+ 18.1	+ 12.9	Eiffe	525
— 13.5	— 12.0	— 6.2	— 0.7	+ 1.1	+ 2.9	+ 2.2	+ 2.9	— 5.6	— 6.6	+ 7.4	+ 10.8	Hewitt	1295
[+ 4.6]	[+ 2.9]	+ 19.1	+ 28.1	+ 31.0	+ 30.6	+ 33.7	+ 37.1	[+ 14.4]	[+ 6.3]	+ 27.7	+ 31.9	Arnold and C. Frodsham	1509*
— 2.0	— 7.6	— 5.2	+ 1.7	— 5.5	+ 16.5	+ 25.2	+ 28.0	+ 14.7	— 1.4	+ 7.1	+ 25.5	Dixon	169
+ 25.0	+ 22.1	— 8.0	— 7.1	— 2.6	— 5.2	— 3.9	— 4.4	— 5.4	— 7.8	— 2.4	— 2.3	H. Frodsham	2703
— 1525.2	— 1427.2	+ 474.9	+ 79.5	+ 194.6	+ 342.0	— 78.6	— 688.6	— 1674.8	— 1839.8	— 740.9	— 463.7		
73° to 85°	70° to 86°	49° to 59°	55° to 65°	56° to 63°	53° to 63°	60° to 65°	64° to 76°	70° to 90°	79° to 89°	61° to 80°	63° to 73°		
80° to 112°	81° to 116°	....	....	....	....	....	....	75° to 120°	80° to 106°	....	....		

* These Chronometers were exposed to the open air on the north side of the building, during the weeks in which their rates are inclosed in parentheses (); and were placed near to the stove in a temperature of about 100°, during the weeks in which their rates are inclosed in brackets [].

† In these weeks the room was heated by a stove.

The rate given by the first week's trial is in every case omitted.

RATES OF CHRONOMETERS ON TRIAL FOR PURCHASE BY THE ADMIRALTY,

NAME OF MAKER.	Number.	Whether Pocket, 1, 2, or 8 Days.	(II)—WEEKLY SUMS OF DAILY RATES AS DETERMINED BY THE											
			Feb. 7—14	Feb. 14—21	Mar. 14—21	Mar. 21—28	Mar. 7—14	Jan. 31— Feb. 7	Jan. 17—24	Jan. 24—31	Mar. 28— Apr. 4	Feb. 28— Mar. 7	Feb. 21—28	Apr. 25— May 2
Hutton.....	138	8	- 0.3	- 0.1	+ 1.1	+ 2.6	+ 2.8	+ 3.5	....	....	+ 2.9	+ 3.3	- 0.1	+ 2.8
Shepherd.....	479	2	-13.9	-13.1	-11.2	- 9.4	- 9.0	-10.1	....	- 9.3	- 8.0	- 6.7	- 8.5	+ 1.6
Baker.....	1093	2	- 8.7	- 5.8	- 1.8	- 1.2	- 2.7	- 4.2	....	- 1.3	+ 0.3	- 0.5	- 0.7	- 2.8
Baker.....	1098	2	+13.7	+ 9.9	+13.9	+17.6	+11.4	+14.5	....	+16.4	+19.5	+14.0	+16.7	+16.1
Parkinson and Frodsham..	2595	2	- 8.8	- 4.3	- 1.0	- 1.1	- 0.7	+ 0.1	+ 1.5	+ 4.0	+ 2.7	+ 2.8	+ 3.5	- 4.4
H. Parkinson.....	635	2	-18.3	-17.2	-17.4	-14.9	-16.8	- 9.6	....	- 5.3	-13.2	-12.6	-11.6	-13.5
Cotterell and Co.....	2373	2	-27.6	-24.2	-24.0	-24.4	-23.8	-21.2	-13.3	-14.8	-20.0	-18.2	-20.1	- 6.4
Poole.....	1176	2	....	....	+ 4.6	+ 4.3	+ 3.9	....	....	....	+ 0.1	....	....	+ 5.8
Fletcher.....	1182	2	- 6.9	- 0.4	- 0.9	+ 0.1	+ 0.4	- 0.3	....	+ 3.1	+ 1.2	+ 2.7	+ 4.4	- 4.3
E. J. Massey.....	126	2	+ 2.2	- 0.1	+ 3.4	+ 3.7	+ 1.3	- 1.5	- 2.0	- 3.0	+ 2.1	- 1.1	- 1.7	+10.1
Carter.....	471	2	+23.3	+27.4	+28.5	+29.2	+30.4	+29.8	....	+32.7	+30.3	+31.3	+32.3	+28.1
Lister and Sons.....	400	2	-24.2	-21.3	-25.5	-23.5	-23.2	-14.9	....	-10.8	-21.7	-17.2	-13.9	-18.8
Loseby.....	102*	2	....	(+ 5.3)	+ 2.1	+ 3.5	- 1.7	....	....	....	+ 4.5	- 4.3	- 4.5	- 0.1
Loseby.....	107*	2	....	(+ 7.3)	+ 4.0	+ 1.5	+ 1.7	....	....	....	- 0.9	- 0.6	- 1.6	+15.3
Norris and Campbell.....	475	2	+10.4	+14.0	+16.5	+12.5	+ 9.8	+11.9	....	+15.1	+14.1	+16.7	+16.7	+19.7
Reid and Sons.....	1066	2	+ 1.9	0.0	+ 0.5	+ 1.5	- 1.2	+ 2.9	....	+ 5.9	+ 0.5	+ 0.8	+ 2.8	+12.3
Poole.....	1168	2	- 2.8	- 3.6	- 0.5	+ 0.2	- 0.2	+ 0.4	....	+ 2.4	+ 1.4	+ 0.8	+ 0.4	+10.0
Poole.....	1179	2	....	....	+ 9.9	+ 8.6	+10.1	....	....	....	+ 6.1	....	....	+16.7
Carter.....	410	2	+12.8	+15.1	+20.4	+23.7	+21.5	+19.4	....	+22.6	+27.8	+22.8	+22.6	+22.8
Appleton.....	485	2	-14.1	-12.2	- 7.4	- 4.1	- 6.8	-12.1	....	- 9.1	- 2.8	- 6.2	- 7.3	+ 1.7
Appleton.....	474	2	- 2.1	+ 1.2	+ 8.0	+10.0	+ 8.3	+ 2.4	....	+ 3.1	+11.1	+ 9.3	+ 8.4	+11.3
Widenham.....	2319	2	- 6.9	- 2.5	+ 5.9	+ 3.1	+ 6.9	0.0	....	+ 1.8	+ 4.1	+ 8.2	+11.4	+ 5.2
A. Clark.....	1198	2	+15.8	+12.5	+16.5	+17.5	+12.7	+ 8.3	....	+ 8.0	+13.6	+ 9.8	+ 6.9	+ 9.8
Loseby.....	108*	2	....	(+17.5)	+15.6	+13.0	+15.2	....	....	....	+13.1	+14.8	+15.7	+18.2
Parkinson and Frodsham..	2958	P	-30.4	-25.1	-17.4	-15.2	-16.9	-17.0	-13.8	-12.8	-13.3	-13.4	-16.9	-12.5
Webb, Jun.....	5552	2	-22.0	-14.6	- 9.4	- 6.2	- 9.9	- 9.4	....	- 8.8	+ 1.2	- 9.4	- 7.7	- 4.6
Reid and Sons.....	1065	2	- 9.8	- 9.1	-10.1	- 8.9	- 9.7	- 7.1	....	- 4.4	- 6.9	- 7.6	- 7.2	+12.2
Birchall.....	300	P	- 9.6	- 7.1	- 4.8	+ 0.7	- 1.1	- 6.8	....	-10.5	- 3.3	-15.4	-20.6	- 4.6
Connell.....	451	2	+36.4	+39.7	+48.0	+50.9	+50.2	+41.8	....	+41.7	+54.2	+52.8	+51.0	+56.2
Hutton.....	145	2	-11.7	- 5.3	+ 0.4	+ 3.4	- 1.0	- 0.7	....	....	+ 8.1	+ 3.3	+ 4.5	+14.3
H. Frodsham.....	2721	2	-24.2	-21.5	-13.5	-12.0	- 9.1	-11.8	-13.5	-11.0	- 6.0	- 4.1	- 6.5	- 3.7
Loseby.....	109*	2	....	(- 3.7)	-32.0	-34.5	-26.9	....	....	....	-39.9	-21.5	-13.1	-41.9
Parkinson and Frodsham..	2633	2	+27.7	+20.7	+18.6	+17.8	+15.3	+14.0	+ 6.1	+ 7.7	+ 9.8	+ 4.7	+ 4.4	- 1.3
Birchall.....	351*	2	(+ 3.4)	(+ 8.1)	+18.3	+21.0	+14.5	+ 0.6	....	- 2.6	+19.5	+13.8	+12.0	+23.2
Hewitt.....	1371	2	-20.9	-16.5	-16.4	-14.6	-13.9	- 9.1	....	- 4.7	-11.5	-10.4	- 9.7	+11.7
Daniels.....	394	2	-11.6	- 8.1	- 3.0	- 2.3	+ 1.3	+ 2.8	....	+ 6.8	+ 2.8	+ 6.8	+ 7.4	+ 0.2
D. Bouts.....	365	2	-17.9	-10.9	- 7.0	- 5.2	- 6.7	- 2.8	....	+ 2.0	- 1.2	+ 1.4	+ 1.2	+ 8.6
Muston.....	949	2	+13.4	+14.1	+12.4	+15.0	+10.8	+11.8	....	+11.0	+13.2	+ 8.9	+ 9.5	+ 5.3
Muirhead.....	339	2	+40.7	+37.7	+32.5	+34.5	+30.7	+32.3	....	+29.8	+19.6	+26.9	+27.0	+15.7
Hewitt.....	1351	2	-17.1	- 9.7	- 6.9	- 6.0	- 4.8	- 2.8	....	+ 0.2	- 3.3	- 1.7	- 2.1	+13.0
Adams.....	2601	2	-61.7	-58.4	-65.1	-66.5	-64.1	-57.6	....	-55.5	-65.3	-59.3	-58.5	-33.1
Eiffe.....	528	2	-67.3	-64.7	-50.5	-51.0	-54.6	-54.1	....	-53.8	-44.3	-52.6	-52.3	-39.7
C. Frodsham.....	1485*	2	(-14.6)	(-22.8)	-14.3	-17.2	-20.6	-20.6	....	-16.4	-18.4	-17.2	-18.6	-12.1
Eiffe.....	525	2	-12.4	- 9.0	+ 5.9	+ 7.0	+ 3.9	-10.3	....	- 9.8	+ 7.7	- 0.8	- 6.1	+ 8.4
Hewitt.....	1295	2	-31.2	-27.3	-18.4	-16.6	-16.1	-11.4	....	- 9.3	-11.9	-11.3	-10.5	- 6.2
Arnold and C. Frodsham..	1509*	2	(- 0.7)	(+ 4.9)	+25.5	+26.4	+22.9	+ 0.3	....	- 0.5	+31.2	+18.2	+12.9	+19.1
Dixon.....	169	2	-14.3	- 5.8	+ 3.4	+ 7.0	+ 6.3	-10.6	....	+ 6.1	+ 8.6	+ 5.9	- 5.4	- 5.2
H. Frodsham.....	2703	2	-25.6	-21.6	-12.6	-12.0	-13.1	-16.1	-14.9	-15.5	- 8.9	- 7.2	- 8.6	- 8.0
Chronometrical Therm.....	....	..	+1770.1	+1455.1	+1221.9	+1201.3	+1157.5	+1051.4	+1003.0	+965.2	+962.6	+784.5	+677.2	+474.9
Range of Thermometer in Chronometer Room....	}	..	34° to 48°	38° to 50°	37° to 51°	40° to 48°	44° to 49°	43° to 51°	42° to 52°	46° to 52°	44° to 55°	45° to 57°	50° to 57°	49° to 59°
Range of Thermometer in open air, or in heated Iron Tray, for the Chronometers marked with an Asterisk.	}	..	27° to 45°	31° to 50°	....	....	....	....	....	....	....	....	....	....

* These Chronometers were exposed to the open air on the north side of the building, during the weeks in which their rates are inclosed in parentheses (); and were placed near to the stove in a temperature of about 100°, during the weeks in which their rates are inclosed in brackets [].

† In these weeks the room was heated by a stove.

The rate given by the first week's trial is in every case omitted.

IN THE ORDER OF TEMPERATURE,
CHRONOMETRICAL THERMOMETER.

												NAME OF M A K E R.	Number.
May 16—23	May. 9—16	May 2—9	May 23—30	June 27— July 4	May 30— June 6	June 20—27	April 4—11	April 18—25	April 11—18	June 6—13	June 13—20		
+ 9.7	+ 6.9	+ 5.5	+ 6.1	+ 7.3	+ 4.1	+ 6.1	0.0	- 2.0	- 0.2	+ 1.4	- 1.5	Hutton	138
- 2.8	- 1.2	- 2.8	- 7.3	- 0.5	- 7.3	- 1.8	-11.8	- 5.2	-11.1	- 6.5	- 4.4	Shepherd	479
- 1.4	- 1.5	- 2.5	- 2.3	- 4.0	- 2.9	- 5.0	- 3.6	-11.7	- 9.5	- 7.9	-11.8	Baker	1093
+18.7	+18.2	+16.3	+17.2	+11.1	+16.6	+11.3	+15.6	+10.3	+ 9.0	+10.7	+ 3.9	Baker	1098
+ 0.9	+ 4.8	+ 3.1	+ 1.2	- 1.7	+ 2.4	- 1.8	+ 3.6	- 3.2	- 2.5	- 2.6	- 8.0	Parkinson and Frodsham	2595
- 8.8	-10.1	-11.8	-10.3	- 7.1	-11.2	- 8.2	-16.2	-15.7	-17.0	-16.9	-18.2	H. Parkinson	635
-11.3	- 8.7	- 6.9	-17.3	-19.2	-20.0	-12.2	-14.3	-11.8	-12.9	-14.3	-11.4	Cotterell and Co.	237
+ 8.7	+ 7.2	+ 5.9	+ 8.4	+10.4	+ 7.4	+ 9.6	- 5.3	- 0.1	- 0.8	+ 0.9	- 0.4	Poole	2618
- 3.6	- 3.4	- 5.5	+ 2.7	+ 5.8	+ 6.2	+ 6.4	- 1.3	- 5.2	- 9.3	- 0.3	- 4.0	Fletcher	1176
+14.2	+12.4	+11.1	+12.2	+ 9.9	+ 5.6	+ 9.8	- 2.2	+ 1.3	- 2.3	+ 2.1	0.0	E. J. Massey	1128
+36.2	+34.5	+33.5	+31.6	+31.4	+30.6	+27.8	+24.7	+22.1	+23.2	+21.7	+18.0	Carter	126
-11.8	-11.7	-14.4	-13.1	- 5.6	-10.5	- 6.9	-19.6	-16.8	-19.4	-14.4	-15.4	Lister and Sons	471
+14.2	+ 9.3	+ 5.4	+10.2	+13.4	+ 8.6	+10.6	[+ 0.4]	[+ 7.8]	[+ 2.2]	[+11.2]	[+15.6]	Loseby	400
+12.1	+11.0	+10.9	+ 7.8	+14.0	+ 8.5	+11.7	[+ 6.1]	[+21.3]	[+15.0]	[+10.4]	[+13.4]	Loseby	102*
+29.2	+30.9	+27.6	+30.2	+34.2	+31.7	+33.2	+21.1	+22.6	+19.1	+26.9	+24.9	Norris and Campbell	107*
+19.2	+17.9	+17.0	+16.7	+17.0	+13.6	+16.3	- 3.3	+ 3.4	- 0.7	+ 7.7	+ 6.9	Reid and Sons	475
+14.6	+14.2	+11.9	+13.8	+16.5	+12.8	+15.5	- 0.4	+ 4.8	+ 2.5	+ 6.8	+ 4.8	Poole	1066
+22.6	+21.6	+19.8	+22.5	+30.2	+23.8	+29.2	+ 5.4	+12.3	+ 8.1	+21.1	+20.2	Poole	1168
+25.6	+28.4	+26.4	+22.8	+17.5	+22.6	+17.2	+20.6	+14.8	+15.5	+11.2	+ 7.5	Carter	1179
+ 6.3	+ 5.1	+ 4.1	+ 5.8	+ 5.1	+ 3.2	+ 3.4	- 6.4	- 7.9	- 9.2	- 6.0	- 8.4	Appleton	410
+15.1	+14.7	+13.2	+13.3	+14.9	+10.7	+12.6	+ 1.6	+ 1.2	- 1.9	+ 0.5	- 0.9	Appleton	485
+ 9.1	+ 9.4	+10.5	+10.1	+ 9.2	+10.8	+10.1	+ 6.0	+ 8.8	+ 7.1	+ 4.3	+ 2.5	Widenham	474
+18.2	+16.5	+14.0	+16.0	+20.4	+16.7	+18.1	+ 0.2	+ 5.6	+ 2.6	+13.3	+12.0	A. Clark	2319
+16.3	+15.4	+14.5	+13.6	+15.9	+15.1	+19.7	[+28.1]	[+29.8]	[+25.0]	[+26.6]	[+30.6]	Loseby	1198
-10.4	-12.7	-13.4	-12.0	-12.5	-11.1	- 9.0	-10.9	-12.4	-11.6	-15.6	-15.1	Parkinson and Frodsham	108*
-10.1	- 6.4	- 9.4	-10.0	- 8.4	- 5.9	- 5.8	- 5.9	- 4.8	- 7.9	+ 1.2	- 2.8	Webb, Jun.	2958
+17.7	+16.2	+15.7	+18.6	+23.7	+19.1	+24.6	- 1.4	+ 8.8	+ 3.0	+15.1	+17.3	Reid and Sons	5552
- 1.3	- 2.8	- 3.7	- 3.3	+ 2.3	- 4.3	- 3.6	-14.3	-12.7	-14.0	-14.3	-13.6	Birchall	1065
+61.2	+60.8	+60.6	+62.2	+66.2	+63.2	+66.3	+53.6	+54.8	+52.6	+57.1	+54.4	Birchall	300
+15.1	+15.0	+16.4	+13.3	+17.2	+13.1	+15.3	+ 2.6	+ 5.4	+ 1.8	+ 5.3	+ 3.5	Connell	451
+ 0.7	+ 1.7	+ 2.1	- 0.8	+ 0.9	+ 2.6	+ 2.5	+ 1.1	- 0.7	+ 0.6	- 1.5	- 4.1	Hutton	145
-38.8	-39.6	-43.9	-41.4	-41.5	-41.3	-37.3	[-42.6]	[-44.7]	[-44.3]	[-41.5]	[-37.3]	H. Frodsham	2721
+ 0.2	- 1.1	- 1.0	+ 2.2	+ 5.9	+ 7.0	+ 7.1	+ 3.6	- 0.7	+ 1.5	+ 9.6	+ 7.3	Loseby	109*
+24.2	+27.4	+27.1	+25.2	+25.9	+25.6	+27.6	[+ 5.7]	[+ 6.7]	[+ 6.0]	[+19.4]	[+19.0]	Parkinson and Frodsham	2633
+14.2	+15.2	+14.7	+12.2	+22.5	+12.6	+21.0	- 5.8	+ 8.4	+ 1.9	+ 7.8	+ 9.5	Birchall	351*
+ 9.9	+10.6	+13.5	+17.2	+17.4	+25.2	+17.1	+ 5.7	+ 7.3	+ 3.5	+15.2	+12.6	Hewitt	1371
+11.2	+10.2	+16.2	+ 9.9	+15.6	+14.4	+13.7	+14.6	+19.0	+18.4	+18.2	+14.5	Daniels	394
+13.2	+10.4	+ 5.9	+10.2	+ 8.3	+ 5.7	+ 6.4	- 7.7	-11.8	- 8.1	+ 1.2	+ 1.3	D. Bouts	365
+18.0	+13.9	+11.0	+ 7.9	- 1.8	+ 7.6	+ 7.0	+16.1	+19.8	+20.0	+22.2	+22.8	Muston	949
+19.5	+18.6	+18.6	+19.1	+28.9	+19.2	+26.6	- 1.1	+ 7.4	+ 3.1	+14.1	+13.7	Muirhead	339
-58.8	-57.5	-50.2	-62.3	-56.3	-51.4	-63.9	-54.3	-59.5	-66.6	-62.3	-62.3	Hewitt	1351
-36.5	-37.3	-29.3	-31.3	-24.0	-28.4	-33.0	-39.8	-28.3	-29.0	-25.3	-18.9	Adams	2601
+ 3.8	+ 2.8	- 0.6	+ 4.6	+13.3	+11.1	+10.5	[-29.9]	[-19.9]	[-22.8]	[- 2.2]	[- 6.4]	Eiffe	528
+ 8.3	+ 9.4	+ 7.9	+ 6.7	+12.9	+15.1	+18.1	+20.2	+26.8	+24.2	+25.3	+28.5	C. Frodsham	1485*
+ 2.9	+ 1.1	- 0.7	+ 2.2	+10.8	+ 2.9	+ 7.4	-11.9	-12.0	-13.5	- 5.6	- 6.6	Eiffe	525
+30.6	+31.0	+28.1	+33.7	+31.9	+37.1	+27.7	[+ 9.9]	[+ 2.9]	[+ 4.6]	[+14.4]	[+ 6.3]	Hewitt	1295
+16.5	- 5.5	+ 1.7	+25.2	+25.5	+28.0	+ 7.1	+ 6.7	- 7.6	- 2.0	+14.7	- 1.4	Arnold and C. Frodsham	1509*
- 5.2	- 2.6	- 7.1	- 3.9	- 2.3	- 4.4	- 2.4	+ 3.6	+22.1	+25.0	- 5.4	- 7.8	Dixon	169
												H. Frodsham	2703
+342.0	+194.6	+ 79.5	- 78.6	-463.7	-688.6	-740.9	-1240.8	-1427.2	-1525.2	-1674.8	-1839.8		
53° to 63°	56° to 63°	55° to 65°	60° to 65°	63° to 73°	64° to 76°	61° to 80°	70° to 84°	70° to 86°	73° to 85°	70° to 90°	79° to 89°		
....	....	....	....	....	....	....	84° to 118°	81° to 116°	80° to 112°	75° to 120°	80° to 106°		

* These Chronometers were exposed to the open air on the north side of the building, during the weeks in which their rates are inclosed in parentheses (); and were placed near to the stove in a temperature of about 100°, during the weeks in which their rates are inclosed in brackets [].

† In these weeks the room was heated by a stove.

The rate given by the first week's trial is in every case omitted.

NAME OF MAKER.	Number.	Whether Pocket, 1, 2, or 8 Days.	(III)—ABSTRACT OF THE PRINCIPAL				
			First Day of First Week of Rating.	Last Day of Last Week of Rating.	No. of Weeks.	Least Weekly Sum.	In what Week.
Hutton	138	8	January 31	July 4	22	- 2.0	April 18 to 25 †
Shepherd	479	2	January 24	July 4	23	- 13.9	February 7 to 14
Baker	1093	2	January 24	July 4	23	- 11.8	June 13 to 20 †
Baker	1098	2	January 24	July 4	23	+ 3.9	June 13 to 20 †
Parkinson and Frodsham	2595	2	January 17	July 4	24	- 8.8	February 7 to 14
H. Parkinson	635	2	January 24	July 4	23	- 18.3	February 7 to 14
Cotterell and Co.	222	2	January 24	July 4	24	- 27.6	February 7 to 14
Poole	1176	2	March 7	July 4	17	- 5.3	April 4 to 11 †
Fletcher	1188	2	January 24	July 4	23	- 9.3	April 11 to 18 †
E. J. Massey	126	2	January 17	July 4	24	- 3.0	January 24 to 31
Carter	471	2	January 24	July 4	23	+ 18.0	June 13 to 20 †
Lister and Sons	400	2	January 24	July 4	23	- 25.5	March 14 to 21
Loseby	102*	2	February 14	July 4	20	- 4.5	February 21 to 28
Loseby	107*	2	February 14	July 4	20	- 1.6	February 21 to 28
Norris and Campbell	475	2	January 24	July 4	23	+ 9.8	March 7 to 14
Reid and Sons	1066	2	January 24	July 4	23	- 3.3	April 4 to 11 †
Poole	1168	2	January 24	July 4	23	- 3.6	February 14 to 21
Poole	1179	2	March 7	July 4	17	+ 5.4	April 4 to 11 †
Carter	410	2	January 24	July 4	23	+ 7.5	June 13 to 20 †
Appleton	485	2	January 24	July 4	23	- 14.1	February 7 to 14
Appleton	474	2	January 24	July 4	23	- 2.1	February 7 to 14
Widenham	2319	2	January 24	July 4	23	- 6.9	February 7 to 14
A. Clark	1198	2	January 24	July 4	23	+ 0.2	April 4 to 11 †
Loseby	108*	2	February 14	July 4	20	+ 13.0	March 21 to 28
Parkinson and Frodsham	2958	P	January 17	July 4	24	- 30.4	February 7 to 14
Webb, Jun.	5552	2	January 24	July 4	23	- 22.0	February 7 to 14
Reid and Sons	1065	2	January 24	July 4	23	- 10.1	May 14 to 21
Birchall	300	P	January 24	July 4	23	- 20.6	February 21 to 28
Connell	451	2	January 24	July 4	23	+ 36.4	February 7 to 14
Hutton	145	2	January 31	July 4	22	- 11.7	February 7 to 14
H. Frodsham	2721	2	January 17	July 4	24	- 24.2	February 7 to 14
Loseby	109*	2	February 14	July 4	20	[- 44.7]	April 18 to 25 †
Parkinson and Frodsham	2633	2	January 17	July 4	24	- 1.3	April 25 to May 2
Birchall	351*	2	January 24	July 4	23	- 2.6	January 24 to 31
Hewitt	1371	2	January 24	July 4	23	- 20.9	February 7 to 14
Daniels	394	2	January 24	July 4	23	- 11.6	February 7 to 14
D. Bouts	365	2	January 24	July 4	23	- 17.9	February 7 to 14
Muston	949	2	January 24	July 4	23	- 11.8	April 18 to 25 †
Muirhead	339	2	January 24	July 4	23	- 1.8	June 27 to July 4
Hewitt	1351	2	January 24	July 4	23	- 17.1	February 7 to 14
Adams	2601	2	January 24	July 4	23	- 66.7	May 30 to June 6
Eiffe	528	2	January 24	July 4	23	- 67.3	February 7 to 14
C. Frodsham	1485*	2	January 24	July 4	23	[- 29.9]	April 4 to 11 †
Eiffe	525	2	January 24	July 4	23	- 12.4	February 7 to 14
Hewitt	1295	2	January 24	July 4	23	- 31.2	February 7 to 14
Arnold and C. Frodsham	1509*	2	January 24	July 4	23	(- 0.7)	February 7 to 14
Dixon	169	2	January 24	July 4	23	- 14.3	February 7 to 14
H. Frodsham	2703	2	January 17	July 4	24	- 25.6	February 7 to 14

* These Chronometers were exposed to the open air on the north side of the building, during the weeks in which their rates are inclosed in parentheses (); and were placed near to the stove in a temperature of about 100°, during the weeks in which their rates are inclosed in brackets [].

† In these weeks the room was heated by a stove.

N. B. The first week of rating of the Chronometers is not included in the Abstract.

The order of arrangement of the Chronometers in these Tables is determined solely by consideration of their irregularities of rate as expressed in the columns "Difference between Greatest and Least," and "Greatest Difference between one Week and the next," without any regard to the length of trial, or the circumstances of exposure during the trial.

CHANGES OF RATE.					NAME OF MAKER.	Number.
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.		
+ 9.7	May 16 to 23	11.7	7.6	June 20	Hutton.....	138
+ 1.6	April 25 to May 2	15.5	6.8	April 25	Shepherd.....	479
+ 0.3	March 28 to April 4	12.1	8.9	April 25	Baker.....	1093
+ 19.5	March 28 to April 4	15.6	7.4	June 20	Baker.....	1098
+ 4.8	May 9 to 16	13.6	8.9	February 7	Parkinson and Frodsham.....	2595
- 5.3	January 24 to 31	13.0	10.0	June 20	H. Parkinson.....	635
- 6.4	April 25 to May 2	21.2	7.0	June 27	Cotterell and Co.....	2327
+ 10.4	June 27 to July 4	15.7	10.0	June 20	Poole.....	1176
+ 6.4	June 20 to 27	15.7	10.4	June 20	Fletcher.....	1188
+ 14.2	May 16 to 23	17.2	9.8	June 20	E. J. Massey.....	126
+ 36.2	May 16 to 23	18.2	9.8	June 20	Carter.....	471
- 5.6	June 27 to July 4	19.9	9.3	February 7	Lister and Sons.....	400
[+ 15.6]	June 13 to 20 †	20.1	9.8	February 21	Loseby.....	102*
[+ 21.3]	April 18 to 25 †	22.9	8.9	{ February 29 } { April 11 }	Loseby.....	107*
+ 34.2	June 27 to July 4	24.4	8.3	June 20	Norris and Campbell.....	475
+ 19.2	May 16 to 23	22.5	9.4	June 20	Reid and Sons.....	1066
+ 16.5	June 27 to July 4	20.1	10.7	June 20	Poole.....	1168
+ 30.2	June 27 to July 4	24.8	9.0	June 20	Poole.....	1179
+ 28.4	May 9 to 16	20.9	11.4	June 6	Carter.....	410
+ 6.3	May 16 to 23	20.4	11.8	June 20	Appleton.....	485
+ 15.1	May 16 to 23	17.2	13.5	June 20	Appleton.....	474
+ 11.4	February 21 to 28	18.3	13.9	February 21	Widenham.....	2319
+ 20.4	June 27 to July 4	20.2	13.4	April 4	A. Clark.....	1198
[+ 30.6]	June 13 to 20 †	17.6	15.0	April 4	Loseby.....	102*
- 9.0	June 20 to 27	21.4	13.4	February 7	Parkinson and Frodsham.....	2958
+ 1.2	{ March 28 to April 4 } { June 6 to 13 † }	23.2	12.6	February 7	Webb, Jun.	5552
+ 24.6	June 20 to 27	34.7	7.3	June 20	Reid and Sons.....	1065
+ 2.3	June 27 to July 4	22.9	14.3	March 7	Birchall.....	300
+ 66.3	June 20 to 27	29.9	11.3	February 21	Connell.....	451
+ 17.2	June 27 to July 4	28.9	11.8	June 20	Hutton.....	145
+ 2.5	May 30 to June 6	26.7	15.0	February 21	H. Frodsham.....	2721
(- 3.7)	February 14 to 21	41.0	9.4	February 21	Loseby.....	109*
+ 27.7	February 7 to 14	29.0	16.3	February 21	Parkinson and Frodsham.....	2633
+ 27.6	June 20 to 27	30.2	16.5	April 25	Birchall.....	351*
+ 22.5	June 27 to July 4	43.4	11.8	February 7	Hewitt.....	1371
+ 25.2	May 30 to June 6	36.8	15.5	February 21	Daniels.....	394
+ 19.0	April 18 to 25 †	36.9	15.8	April 4	D. Bouts.....	365
+ 15.0	March 21 to 28	26.8	20.9	April 4	Muston.....	949
+ 40.7	February 7 to 14	42.5	15.8	June 20	Muirhead.....	339
+ 28.9	June 27 to July 4	46.0	14.3	February 7	Hewitt.....	1351
- 33.1	April 25 to May 2	33.6	21.2	April 25	Adams.....	2601
- 18.9	June 13 to 20 †	48.4	14.1	June 20	Eiffe.....	523
+ 13.3	June 27 to July 4	43.2	16.9	June 20	C. Frodsham.....	1485*
+ 28.5	June 13 to 20 †	40.9	18.4	April 25	Eiffe.....	525
+ 10.8	June 27 to July 4	42.0	19.8	February 7	Hewitt.....	1295
+ 37.1	May 30 to June 6	37.8	22.7	June 6	Arnold and C. Frodsham.....	1509*
+ 28.0	May 30 to June 6	42.3	22.0	May 16	Dixon.....	169
+ 25.0	April 11 to 18 †	50.6	30.1	April 25	H. Frodsham.....	2703

* These Chronometers were exposed to the open air on the north side of the building, during the weeks in which their rates are inclosed in parentheses () ; and were placed near to the stove in a temperature of about 100°, during the weeks in which their rates are inclosed in brackets [] .

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The order of arrangement of the Chronometers in these Tables is determined solely by consideration of their irregularities of rate, as expressed in the columns "Difference between Greatest and Least," and Greatest Difference between one Week and the next," without any regard to the length of trial, or the circumstances of exposure or trial.

RATES OF CHRONOMETERS ON TRIAL FOR PURCHASE BY THE ADMIRALTY,

NAME OF MAKER.	Number.	Whether Pocket, 1, 2, or 8 Days.	ABSTRACT FOR THE CHRONOMETERS EXCLUDING THE WEEKS				
			First Day of First Week of Rating.	Last Day of Last Week of Rating.	No. of Weeks	Least Weekly Sum.	In what Week.
Loseby	108	2	February 21	July 4	14	+ 13 ^s 0	March 21 to 28
Loseby	107	2	February 21	July 4	14	- 1 ^s 6	February 21 to 28
Loseby	102	2	February 21	July 4	14	- 4 ^s 5	February 21 to 28
Birchall	351	2	January 24	July 4	16	- 2 ^s 6	January 24 to 31
Loseby	109	2	February 21	July 4	14	- 43 ^s 9	May 2 to 9
Arnold and C. Frodsham	1509	2	January 24	July 4	16	- 0 ^s 5	January 24 to 31
C. Frodsham	1485	2	January 24	July 4	16	- 20 ^s 6	{ January 31 to February 7 } March 7 to 14

EXPOSED TO MORE SEVERE TRIALS,
OF MORE SEVERE COLD OR HEAT.

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.	NAME OF M A K E R.	
						Number.
+ 19.7	June 20 to 27	6.7	3.8	June 27	Loseby	108
+ 15.3	April 25 to May 2	16.9	4.4	May 2	Loseby	107
+ 14.2	May 16 to 23	18.7	5.5	May 2	Loseby	102
+ 27.6	June 20 to 27	30.2	3.9	May 2	Birchall	351
- 13.1	February 21 to 28	30.8	8.4	February 28	Loseby	109
+ 37.1	May 30 to June 6	37.6	9.0	May 2	Arnold and C. Frodsham	1509
+ 13.3	June 27 to July 4	33.9	11.5	May 2	C. Frodsham	1485

C