

RATES OF CHRONOMETERS
ON TRIAL
FOR PURCHASE BY THE BOARD OF ADMIRALTY,
AT THE
ROYAL OBSERVATORY, GREENWICH.
1847.

RATES OF CHRONOMETERS ON TRIAL FOR PURCHASE BY THE ADMIRALTY,

NAME OF MAKER.	Number.	Whether Pocket, 1, 2, or 8 Days.	(1)—WEEKLY SUMS OF DAILY RATES											
			Jan. 16—23	Jan. 23—30	Jan. 30— Feb. 6	Feb. 6—13	Feb. 13—20	Feb. 20—27	Feb. 27— Mar. 6	Mar. 6—13	Mar. 13—20	Mar. 20—27	Mar. 27— Apr. 3	April 3—10
E. J. Massey	123*	2	....	....	(- 0.4)	(- 3.0)	(- 2.3)	(- 0.3)	(+ 3.2)	+ 3.7	+ 1.9	+ 4.1	+ 4.7	+ 3.1
Poole	1181*	2	(- 9.1)	(- 7.9)	(- 6.6)	(- 5.0)	(- 3.8)	(- 7.8)	(- 8.8)	- 7.4	- 6.6	- 6.8	- 3.2	- 8.2
Dent	1967	2	- 7.9	- 9.5	- 10.1	- 12.4	- 14.5	- 15.0	- 16.2	- 14.7	- 15.7	- 16.8	- 15.8	- 17.5
Webb	5552	2	....	+ 8.9	+ 11.8	+ 10.3	+ 8.6	+ 9.4	+ 11.3	+ 12.9	+ 8.0	+ 8.6	+ 13.5	+ 14.6
E. J. Massey	120	2	....	+ 3.8	+ 3.3	+ 0.9	+ 2.3	+ 7.2	+ 5.3	+ 5.7	+ 9.2	+ 11.9	+ 15.2	+ 14.3
Reid and Sons	1074	2	....	- 8.6	- 7.9	- 9.9	- 9.8	- 7.1	- 8.7	- 12.3	- 11.7	- 9.6	- 9.2	- 9.9
Loseby	111	2	....	+ 0.7	+ 2.5	+ 3.9	+ 0.4	- 0.8	+ 2.3	+ 3.4	+ 0.6	+ 3.7	+ 6.2	+ 7.5
C. Frodsham	2074*	2	(- 23.6)	(- 19.8)	(- 23.5)	(- 29.7)	(- 22.2)	(- 24.4)	(- 25.7)	- 24.3	- 21.7	- 20.0	- 19.5	- 20.2
M'Gregor	138	2	....	- 6.7	- 11.1	- 15.0	- 9.8	- 10.2	- 14.2	- 13.1	- 5.4	- 5.7	- 10.6	- 10.8
Loseby	113	2	....	- 13.2	- 8.8	- 7.8	- 16.3	- 15.3	- 13.1	- 13.3	- 17.7	- 15.4	- 10.0	- 11.8
Poole	1241*	2	....	(- 17.6)	(- 18.2)	(- 18.6)	(- 18.2)	(- 19.0)	(- 17.5)	- 15.4	- 12.3	- 15.4	- 14.1	- 14.7
Dent	1966	2	....	....	....	....	....	....	....	....	- 26.3	- 21.8	- 26.0	- 25.3
Reid and Sons	1075	2	....	- 11.3	- 16.9	- 23.4	- 23.3	- 22.7	- 24.8	- 23.1	- 20.5	- 16.6	- 15.1	- 15.3
Hutton	149	2	....	....	....	....	+ 6.2	+ 8.2	+ 6.7	+ 8.3	+ 4.6	+ 4.3	+ 8.8	+ 7.9
C. Frodsham	2066*	2	(- 22.2)	(- 18.0)	(- 21.7)	(- 24.3)	(- 20.5)	(- 22.6)	(- 22.1)	- 21.8	- 19.4	- 19.8	- 16.8	- 18.3
Dent	2066	2	....	....	....	....	....	....	....	....	+ 14.7	+ 16.7	+ 13.6	+ 16.8
Poole	1168	2	- 18.5	- 18.0	- 20.7	- 21.0	- 22.9	- 20.2	- 21.3	- 18.9	- 19.5	- 19.3	- 16.1	- 15.8
Carter	461	2	....	+ 3.5	- 2.3	- 3.8	+ 1.0	+ 4.3	- 0.4	+ 0.7	+ 5.5	+ 9.0	+ 3.9	+ 6.7
Parkinson and Frodsham	2451	2	- 14.3	- 13.4	- 15.5	- 13.6	- 14.3	- 13.3	- 14.6	- 16.8	- 10.2	- 6.8	- 10.2	- 9.8
H. Parkinson	636	2	- 17.7	- 10.3	- 11.6	- 13.2	- 8.2	- 7.3	- 11.7	- 9.3	- 3.4	- 3.4	- 2.0	+ 0.9
Dixon	300	2	....	+ 0.4	+ 0.9	+ 0.8	+ 2.4	+ 2.0	+ 3.4	+ 4.2	+ 9.0	+ 9.6	+ 7.2	+ 9.3
T. Hewitt	1220	2	....	- 20.0	- 23.1	- 23.1	- 19.7	- 18.8	- 20.0	- 20.1	- 15.0	- 14.4	- 15.1	- 13.1
Norris and Campbell	537	2	....	+ 15.5	+ 15.8	+ 12.4	+ 13.2	+ 18.2	+ 21.5	+ 22.0	+ 21.0	+ 22.3	+ 26.6	+ 23.2
Fletcher	1161	2	....	- 4.1	- 9.1	- 12.1	- 6.4	- 5.3	- 9.5	- 8.8	- 1.9	+ 0.3	- 2.5	- 0.4
T. Hewitt	1117	2	....	+ 9.5	+ 9.9	+ 9.8	+ 10.6	+ 10.9	+ 11.0	+ 11.0	+ 9.8	+ 9.0	+ 11.5	+ 12.7
Loseby	119*	2	....	(- 22.3)	(- 21.2)	(- 16.6)	(- 25.0)	(- 21.0)	(- 21.9)	- 20.2	- 18.4	- 17.5	- 13.0	- 15.9
Eiffe	280	1	....	- 11.8	- 10.7	- 8.6	- 10.1	- 9.7	- 10.3	- 9.9	- 8.6	- 8.1	- 6.8	- 7.3
Connell	488	2	....	- 3.4	- 7.7	- 9.6	- 2.6	- 3.3	- 5.8	- 3.3	+ 2.5	+ 4.4	+ 4.3	+ 6.6
Baker	1090	2	....	- 19.2	- 26.2	- 30.1	- 17.6	- 17.9	- 25.9	- 24.1	- 12.3	- 9.0	- 18.7	- 14.9
Appleton	531	2	....	- 12.8	- 18.3	- 21.4	- 15.2	- 15.8	- 16.9	- 13.8	- 9.0	- 6.2	- 5.8	- 3.5
Widenham	3021	2	....	- 36.8	- 40.3	- 42.0	- 35.5	- 33.1	- 34.8	- 34.5	- 27.1	- 24.7	- 24.9	- 25.2
Shepherd	1313	2	....	- 12.4	- 21.3	- 12.6	- 12.4	- 8.1	- 17.8	- 20.7	- 6.7	- 3.2	- 7.8	- 6.7
Appleton	532	2	....	- 4.6	- 5.9	- 4.4	+ 1.1	+ 5.9	+ 5.7	+ 8.7	+ 15.8	+ 20.4	+ 18.3	+ 20.2
Bouts	366	2	....	+ 0.6	- 6.2	- 12.3	- 2.1	- 8.7	- 18.3	- 21.4	- 13.6	- 13.2	- 16.4	- 15.1
Carter	471	2	....	....	+ 19.3	+ 18.6	+ 26.5	+ 25.2	+ 19.3	+ 21.8	+ 29.7	+ 27.8	+ 23.1	+ 25.9
Adams	2504	2	....	- 12.5	- 17.0	- 21.7	- 14.9	- 13.1	- 16.2	- 16.3	- 7.1	- 2.9	- 5.6	- 2.8
Dent	1964	2	....	+ 0.7	- 0.1	- 0.6	0.0	+ 0.8	+ 0.4	+ 0.9	+ 2.2	+ 4.7	+ 4.6	+ 4.1
Birchall	361	2	....	+ 6.1	+ 13.8	+ 13.5	+ 9.1	+ 8.9	+ 21.0	+ 21.9	+ 7.0	+ 4.3	+ 11.0	+ 9.4
Widenham	2225	2	....	+ 8.6	+ 0.9	- 2.1	+ 8.8	+ 5.7	+ 5.7	+ 7.7	+ 12.3	+ 8.9	+ 4.2	+ 8.8
Birchall	300	P	....	+ 0.4	+ 12.1	+ 10.3	+ 1.9	- 3.1	+ 14.3	+ 16.6	+ 0.8	- 4.2	+ 3.8	+ 0.5
Cribb	67	2	....	- 16.8	- 22.8	- 28.9	- 24.7	- 26.4	- 27.8	- 31.1	- 23.8	- 15.2	- 15.0	- 17.2
Clark and Son	1233	2	....	- 15.8	- 25.1	- 31.0	- 25.7	- 27.0	- 30.5	- 29.4	- 20.6	- 16.2	- 19.3	- 18.4
Baker	1041	2	....	....	....	....	....	....	- 12.8	- 14.9	- 13.3	- 12.2	- 12.7	- 13.9
H. T. Hewitt	316	2	....	- 23.0	- 30.1	- 35.3	- 19.6	- 18.0	- 30.2	- 30.1	- 14.2	- 12.2	- 20.3	- 21.7
Birch	1072	2	- 5.1	+ 6.4	- 0.5	- 4.1	+ 8.2	+ 7.2	+ 0.3	- 0.3	+ 18.5	+ 16.1	+ 12.3	+ 12.0
Murray	688	2	....	+ 1.6	- 2.2	+ 3.3	+ 1.2	- 1.2	- 9.3	- 6.7	- 4.0	- 5.9	- 6.9	- 1.6
Cotterell	2522	2	....	+ 13.9	+ 15.0	+ 18.7	+ 15.3	+ 18.4	+ 18.7	+ 14.8	+ 12.8	+ 10.9	+ 9.7	+ 12.2
Parkinson and Frodsham	2622	2	....	- 1.3	- 4.6	- 20.2	- 3.9	- 3.7	- 9.6	- 7.9	- 6.7	- 8.2	- 10.5	- 8.1
Poole	1244*	2	....	(- 42.2)	(- 49.0)	(- 51.1)	(- 45.7)	(- 52.1)	(- 51.7)	- 54.9	- 33.9	- 34.4	- 45.5	- 48.3
Eiffe	507	2	....	+ 25.5	+ 33.6	+ 34.5	+ 29.1	+ 33.8	+ 39.8	+ 41.2	+ 36.7	+ 40.9	+ 48.4	+ 40.7
Lockwood	46	2	....	+ 10.3	+ 12.2	+ 17.0	+ 23.9	+ 28.0	+ 30.8	+ 32.2	+ 37.9	+ 38.2	+ 38.1	+ 42.7
Stoddart	742	2	- 35.6	- 20.5	- 28.6	- 33.4	- 21.1	- 10.2	- 16.6	- 19.9	- 1.2	- 0.8	+ 1.3	+ 3.3
E. Massey	2	2	....	- 30.5	- 34.5	- 35.8	- 30.1	- 31.4	- 38.8	- 36.1	- 29.3	- 31.0	- 32.2	- 33.5
Lister and Sons	402	2	....	- 17.5	- 26.3	- 31.0	- 17.4	- 15.7	- 23.4	- 20.7	- 6.6	- 5.7	- 11.2	- 8.8
Muirhead	400	2	....	- 13.1	+ 8.0	+ 24.7	- 5.0	- 10.5	- 4.2	- 2.4	- 13.1	- 13.4	- 7.5	- 8.4
Muston	868	2	....	+ 1.9	+ 1.9	+ 7.2	+ 2.8	+ 8.3	+ 6.2	+ 1.6	+ 13.4	+ 17.0	- 2.0	- 6.0
Chronometrical Therm.	....	..	+ 2196.4	+ 1461.7	+ 1929.8	+ 2163.4	+ 1499.8	+ 1463.1	+ 1776.1	+ 1773.0	+ 1049.4	+ 878.8	+ 1462.8	+ 1183.1
Range of Thermometer in Chronometer Room ...	}	..	32° to 36°	34° to 46°	34° to 41°	29° to 41°	31° to 50°	36° to 47°	36° to 42°	35° to 42°	40° to 56°	46° to 54°	39° to 52°	39° to 51°
Range of Thermometer in open air, or in heated Iron Tray, for the Chronometers marked with an Asterisk.		..	27° to 38°	32° to 49°	29° to 48°	14° to 48°	26° to 52°	28° to 51°	28° to 43°	....	....	....	....	....

* These Chronometers were exposed to the open air on the North side of the building, during the weeks in which the 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 rates given by the first week's trial is in every case omitted.

Massey 123 was found stopped on April 14th, and again on April 18th. It was taken away by its owner for examination, and was again rated on its return. Two sets of numbers are given in the following abstract, the one set applying to its rates during the interval from Feb. 6th to Apr. 10th, and the other during the interval from May 8th to July 10th.

IN THE ORDER OF TIME.

													NAME OF M A K E R.		Number.
April 10—17	April 17—24	April 24— May 1	May 1—8	May 8—15	May 15—22	May 22—29	May 29— June 5	June 5—12	June 12—19	June 19—26	June 26— July 3	July 3—10			
..... - 5.6 -18.2 + 8.7 +12.6 - 6.5 + 2.9 [-18.5] - 8.2 -12.6 - 6.6 -15.5 - 8.6 + 7.6 [-10.1] +16.4 -13.0 + 4.7 - 3.4 - 8.2 + 6.5 -14.4 +29.5 + 3.0 +18.9 [- 5.5] -14.1 + 9.3 - 7.5 - 5.8 -15.9 - 5.6 +19.0 -13.5 +26.5 + 4.7 - 3.9 +18.9 + 7.5 + 3.0 -17.6 - 5.8 -23.2 - 6.1 +23.9 -15.5 - 6.3 +13.6 -29.0 +38.4 +44.1 + 5.6 -45.5 +16.3 -20.6 +45.6	 - 8.1 -18.0 + 7.7 + 8.5 - 4.0 + 6.1 [-18.1] - 7.4 -11.8 - 5.5 -17.5 - 5.0 +13.9 [-11.4] +14.9 - 9.6 + 1.8 - 3.9 - 9.8 + 8.5 -16.4 +30.1 + 5.4 +15.6 [- 4.5] -12.0 +12.9 -12.9 - 3.1 -17.0 - 6.6 +19.0 - 1.8 +23.0 + 8.8 - 3.8 +18.7 + 6.6 + 4.8 -14.6 - 1.1 -28.4 - 7.9 +20.3 -20.0 -17.5 +11.6 -27.8 +48.4 +45.5 + 2.5 -54.8 +12.4 -21.5 + 9.7	 - 5.9 -11.8 + 6.1 + 4.6 - 5.9 +10.6 -21.2 - 6.4 - 7.5 - 8.5 -18.4 - 7.1 +14.1 -17.5 +18.8 - 8.0 + 8.0 + 8.0 - 1.0 - 8.7 +13.5 -10.1 +21.5 + 9.6 + 4.6 - 5.8 - 0.6 +17.2 -14.3 + 1.5 -14.2 - 0.7 +25.2 + 0.8 +27.6 + 5.6 + 6.7 +11.8 +19.7 + 4.3 -17.9 - 3.3 -18.2 -12.4 +19.6 -14.1 -10.4 - 6.9 -27.8 +62.0 +46.7 - 0.5 -47.2 + 4.8 -19.6 - 0.3	 - 7.6 -11.8 + 8.7 +10.2 - 6.6 +12.2 -22.3 - 5.2 - 5.5 -10.3 -19.9 - 6.0 +14.3 -16.0 +18.5 - 8.9 +10.7 - 1.6 - 4.2 +15.2 -10.0 +20.3 + 9.1 + 6.7 - 9.2 + 1.4 +18.2 -19.2 + 2.4 -14.4 - 1.7 +23.7 + 2.8 +27.2 + 8.7 + 8.2 +11.8 +25.2 + 5.2 -17.1 - 5.2 -19.4 -13.7 +20.9 - 9.4 - 7.2 -10.3 -34.1 +64.3 +49.3 + 6.8 -52.5 +12.9 -16.4 + 7.6	 -11.5 -10.5 -15.2 + 6.0 - 5.2 +12.5 -22.5 - 3.5 - 8.3 - 9.2 -17.0 - 5.4 + 9.8 -13.1 +22.5 - 8.1 + 9.3 + 2.4 - 2.2 +18.2 -10.5 +29.0 + 7.3 + 4.2 -11.1 - 1.1 +21.2 -10.8 + 4.6 -11.7 - 1.5 +25.1 + 4.6 +31.5 +13.6 + 8.5 +17.5 +24.7 + 7.2 - 4.5 - 0.5 -15.8 - 8.5 +26.5 - 9.4 - 8.5 0.0 -32.8 +58.7 +54.5 +12.4 -45.5 +19.7 -20.8 +17.6	 -16.4 -12.0 -16.2 + 3.4 - 6.4 +11.8 -25.1 - 3.5 - 8.9 - 8.3 -16.3 - 6.1 + 8.8 -12.8 +22.5 - 8.5 + 7.9 + 2.4 - 2.0 +17.7 -10.1 +28.4 + 8.2 + 2.5 -10.3 - 7.1 - 5.5 +21.4 - 7.0 + 5.4 -12.2 - 0.6 +24.0 + 5.0 +29.1 +14.2 + 6.2 +23.5 +25.0 + 8.5 + 1.1 - 0.7 -21.8 - 2.4 +26.1 - 8.1 -12.5 + 1.1 -24.0 +56.5 +58.1 +13.6 -45.6 +30.1 -24.2 +36.9	 -14.9 - 7.1 -18.3 + 4.8 - 2.8 +12.5 -21.8 - 4.9 - 7.1 - 5.9 -16.6 - 2.2 + 7.3 - 9.7 +22.9 - 7.3 + 7.2 + 3.3 - 1.3 +17.0 -11.7 +31.8 + 8.8 +11.5 - 5.5 - 6.3 +20.7 -11.6 + 8.5 -14.6 - 1.1 +23.9 -13.7 +11.6 +21.1 +26.0 +10.0 - 2.7 + 0.7 -24.3 - 1.6 +23.1 -14.9 - 7.7 - 6.4 + 5.7 -22.9 +51.9 +63.8 +13.7 -48.7 +28.2 -29.7 +38.7	 -14.5 - 7.2 -19.0 + 3.3 - 9.4 +12.2 - 0.9 +15.1 -18.8 - 2.9 - 1.9 - 3.6 -15.3 - 4.8 + 7.3 - 8.6 +26.9 -13.4 +10.6 + 2.5 + 1.5 +18.5 - 5.7 +33.4 +11.4 + 1.6 - 2.0 - 0.9 +21.3 -13.3 + 8.5 -22.8 + 1.4 + 0.2 +27.6 + 5.3 +31.7 +13.3 +11.6 +21.1 +26.0 +13.6 - 0.5 + 1.2 -38.1 - 4.1 +26.2 - 2.4 - 6.4 - 3.0 -21.4 +62.0 +69.6 +12.3 -44.6 +24.9 -21.9 + 5.8	 [-17.6] [-16.5] [-17.8] [-20.1] [-17.0] [-16.9] -13.0 - 5.2 - 2.7 -20.1 - 3.4 +18.5 [- 7.5] +15.5 -13.4 - 2.5 + 4.0 - 9.4 + 9.0 -17.7 +31.5 + 5.2 +16.1 [- 1.5] -15.0 +16.1 -13.3 + 1.4 -22.8 + 1.4 + 0.1 + 1.4 +17.1 + 5.8 - 6.5 +26.7 +16.0 + 8.0 -14.0 0.0 -38.1 - 5.7 +19.8 -23.3 -17.1 +11.4 -21.4 +55.3 +67.1 +11.0 -68.9 +27.0 + 7.5 +60.7	 [-16.5] [-17.8] [-16.9] -12.7 - 4.3 - 2.5 -17.0 - 4.3 - 2.5 -17.7 - 4.1 +20.1 [- 4.8] +17.3 -14.3 - 1.0 + 4.2 -10.2 +12.0 -18.1 +31.8 +10.0 +14.2 [- 0.9] -16.2 +15.6 -16.7 + 2.3 -22.4 + 1.3 + 0.3 + 7.1 - 1.3 - 3.9 +27.6 +13.9 + 7.4 -19.0 + 1.8 -40.2 - 3.8 +20.2 -25.0 -16.2 +10.1 -20.1 +55.3 +69.8 + 8.8 -74.1 +23.3 + 7.7 +40.2	 -18.3 - 8.0 -12.4 + 5.8 + 3.7 + 1.1 +16.2 -15.5 - 4.5 - 0.6 - 9.8 - 1.6 +16.8 - 1.2 +29.0 - 6.5 + 8.2 + 9.4 - 3.6 +21.3 -10.6 +39.1 +11.5 +13.8 - 2.6 - 6.5 +22.8 -15.9 +11.2 -14.2 - 3.7 +22.6 + 7.9 +17.2 + 6.7 + 8.8 +29.4 +26.7 +12.5 -17.2 + 6.0 + 4.8 -16.7 +66.5 +82.2 +11.5 -70.4 +26.6 -26.6 + 9.6	E. J. Massey Poole..... Dent..... Webb..... E. J. Massey..... Reid and Sons..... Loseby..... C. Frodsham..... M'Gregor..... Loseby..... Poole..... Dent..... Reid and Sons..... Hutton..... C. Frodsham..... Dent..... Poole..... Carter..... Parkinson and Frodsham..... H. Parkinson..... Dixon..... T. Hewitt..... Norris and Campbell... Fletcher..... T. Hewitt..... Loseby..... Eiffe..... Connell..... Baker..... Appleton..... Widenham..... Shepherd..... Appleton..... Bouts..... Carter..... Adams..... Dent..... Birchall..... Widenham..... Birchall..... Cribb..... Clark and Son..... Baker..... H. T. Hewitt..... Birch..... Murray..... Cotterell..... Parkinson and Frodsham..... Poole..... Eiffe..... Lockwood..... Stoddart..... E. Massey..... Lister and Sons..... Muirhead..... Muston.....	123* 1181* 1967 5552 120 1074 111 2074* 136 113 1241* 1966 1075 149 2066* 2066 1168 461 2451 636 300 1220 537 1161 1117 119* 280 488 1090 531 3021 1313 532 366 471 2504 1964 361 2225 300 67 1233 1041 316 1072 688 3835 2622 1244* 507 46 742 2 402 400 868			
-981.4	-1111.2	+428.3	+692.7	+181.4	+10.4	-536.6	-694.6	+75.6	-1836.5	-1837.7	-1889.7	-914.4			
68° to 82°	68° to 82°	47° to 58°	48° to 57°	52° to 64°	58° to 65°	60° to 76°	66° to 75°	56° to 68°	77° to 88°	77° to 86°	80° to 86°	67° to 85°			
75° to 104°	75° to 106°	.....	.....	.....	.....	.....	.....	.....	87° to 110°	88° to 109°	88° to 108°	.....			

* These Chronometers were exposed to the open air on the north side of the building, during the weeks in which the 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.

Baker 1041 was brought to the Observatory on Jan. 16th, but was taken away by its owner soon afterwards, in consequence of its bad performance. It had apparently met with some accident on its journey, as one of the pivots was found to be injured. It was rated immediately after its return to the Observatory, one week's rate being omitted as usual.

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											
			Jan. 16—23	Feb. 6—13	Jan. 30— Feb. 6	Feb. 27— Mar. 6	Mar. 6—13	Feb. 13—20	Feb. 20—27	Mar. 27— Apr. 3	Jan. 23—30	April 3—10	Mar. 13—20	Mar. 20—27
E. J. Massey.....	123*	2	....	(- 3.0)	(- 0.4)	(+ 3.2)	+ 3.7	(- 2.3)	(- 0.3)	+ 4.7	....	+ 3.1	+ 1.9	+ 4.1
Poole.....	1181*	2	(- 9.1)	(- 5.0)	(+ 6.6)	(- 8.8)	- 7.4	(- 3.8)	(- 7.8)	- 3.2	(- 7.9)	- 8.2	- 6.6	- 6.8
Dent.....	1967	2	- 7.9	- 12.4	- 10.1	- 16.2	- 14.7	- 14.5	- 15.0	- 15.8	- 9.5	- 17.5	- 15.7	- 16.8
Webb.....	5552	2	....	+ 10.3	+ 11.8	+ 11.3	+ 12.9	+ 8.6	+ 9.4	+ 13.5	+ 8.9	+ 14.6	+ 8.0	+ 8.6
E. J. Massey.....	120	2	....	+ 0.9	+ 3.3	+ 5.3	+ 5.7	+ 2.3	+ 7.2	+ 15.2	+ 3.8	+ 14.3	+ 9.2	+ 11.9
Reid and Sons.....	1074	2	....	- 9.9	- 7.9	- 8.7	- 12.3	- 9.8	- 7.1	- 9.2	- 8.6	- 9.9	- 11.7	- 9.6
Loseby.....	111	2	....	+ 3.9	+ 2.5	+ 2.3	+ 3.4	+ 0.4	- 0.8	+ 6.2	+ 0.7	+ 7.5	+ 0.6	+ 3.7
C. Frodsham.....	2074*	2	(- 23.6)	(- 29.7)	(- 23.5)	(- 25.7)	- 24.3	(- 22.2)	(- 24.4)	- 19.5	(- 19.8)	- 20.2	- 21.7	- 20.0
M'Gregor.....	138	2	....	- 15.0	- 11.1	- 14.2	- 13.1	- 9.8	- 10.2	- 10.6	- 6.7	- 10.8	- 5.4	- 5.7
Loseby.....	113	2	....	- 7.8	- 8.8	- 13.1	- 13.3	- 16.3	- 15.3	- 10.0	- 13.2	- 11.8	- 17.7	- 15.4
Poole.....	1241*	2	....	(- 18.6)	(- 18.2)	(- 17.5)	- 15.4	(- 18.2)	(- 19.0)	- 14.1	(- 17.6)	- 14.7	- 12.3	- 15.4
Dent.....	1966	2	....	....	....	....	....	....	....	- 26.0	....	- 25.3	- 26.3	- 21.8
Reid and Sons.....	1075	2	....	- 23.4	- 16.9	- 24.8	- 23.1	- 23.3	- 22.7	- 15.1	- 11.3	- 15.3	- 20.5	- 16.6
Hutton.....	149	2	....	....	....	+ 6.7	+ 8.3	+ 6.2	+ 8.2	- 8.8	....	+ 7.9	+ 4.6	+ 4.3
C. Frodsham.....	2066*	2	(- 22.2)	(- 24.3)	(- 21.7)	(- 22.1)	- 21.8	(- 20.5)	(- 22.6)	- 16.8	(- 18.0)	- 18.3	- 19.4	- 19.8
Dent.....	2066	2	....	....	....	....	....	....	....	+ 13.6	....	+ 16.8	+ 14.7	+ 16.7
Poole.....	1168	2	- 18.5	- 21.0	- 20.7	- 21.3	- 18.9	- 22.9	- 20.2	- 16.1	- 18.0	- 15.8	- 19.5	- 19.3
Carter.....	461	2	....	- 3.8	- 2.3	- 0.4	+ 0.7	+ 1.0	+ 4.3	+ 3.9	+ 3.5	+ 6.7	+ 5.5	+ 9.0
Parkinson and Frodsham..	2451	2	- 14.3	- 13.6	- 15.5	- 14.6	- 16.8	- 14.3	- 13.3	- 10.2	- 13.4	- 9.8	- 10.2	- 6.8
H. Parkinson.....	636	2	- 17.7	- 13.2	- 11.6	- 11.7	- 9.3	- 8.2	- 7.3	- 2.0	- 10.3	+ 0.9	- 3.4	- 3.4
Dixon.....	300	2	....	+ 0.8	- 0.9	+ 3.4	+ 4.2	+ 2.4	+ 2.0	+ 7.2	+ 0.4	+ 9.3	+ 9.0	+ 9.6
T. Hewitt.....	1220	2	....	- 23.1	- 23.1	- 20.0	- 20.1	- 19.7	- 18.8	- 15.1	- 20.0	- 13.1	- 15.0	- 14.4
Norris and Campbell....	537	2	....	+ 12.4	+ 15.8	+ 21.5	+ 22.0	+ 13.2	+ 18.2	+ 26.6	+ 15.5	+ 23.2	+ 21.0	+ 22.3
Fletcher.....	1161	2	....	- 12.1	- 9.1	- 9.5	- 8.8	- 6.4	- 5.3	- 2.5	- 4.1	- 0.4	- 1.9	+ 0.3
T. Hewitt.....	1117	2	....	+ 9.8	+ 9.9	+ 11.0	+ 11.0	+ 10.6	+ 10.9	+ 11.5	+ 9.5	+ 12.7	+ 9.8	+ 9.0
Loseby.....	119*	1	....	(- 16.6)	(- 21.2)	(- 21.9)	- 20.2	(- 25.0)	(- 21.0)	- 13.0	(- 22.3)	- 15.9	- 18.4	- 17.5
Eiffe.....	280	2	....	- 8.6	- 10.7	- 10.3	- 9.9	- 10.1	- 9.7	- 6.8	- 11.8	- 7.3	- 8.6	- 8.1
Connell.....	488	2	....	- 9.6	- 7.7	- 5.8	- 3.3	- 2.6	- 3.3	+ 4.3	- 3.4	+ 6.6	+ 2.5	+ 4.4
Baker.....	1090	2	....	- 30.1	- 26.2	- 25.9	- 24.1	- 17.6	- 17.9	- 18.7	- 19.2	- 14.9	- 12.3	- 9.0
Appleton.....	531	2	....	- 21.4	- 18.3	- 16.9	- 13.8	- 15.2	- 15.8	- 5.8	- 12.8	- 3.5	- 9.0	- 6.2
Widenham.....	3021	2	....	- 42.0	- 40.3	- 34.8	- 34.5	- 35.5	- 33.1	- 24.9	- 36.8	- 25.2	- 27.1	- 24.7
Shepherd.....	1313	2	....	- 12.6	- 21.3	- 17.8	- 20.7	- 12.4	- 8.1	- 7.8	- 12.4	- 6.7	- 6.7	- 3.2
Appleton.....	532	2	....	- 4.4	- 5.9	+ 5.7	+ 8.7	+ 1.1	+ 5.9	+ 18.3	- 4.6	+ 20.2	+ 15.8	+ 20.4
Bouts.....	366	2	....	- 12.3	- 6.2	- 18.3	- 21.4	- 2.1	- 8.7	- 16.4	+ 0.6	- 15.1	- 13.6	- 13.2
Carter.....	471	2	....	+ 18.6	+ 19.3	+ 19.3	+ 21.8	+ 26.5	+ 25.2	+ 23.1	....	+ 25.9	+ 29.7	+ 27.8
Adams.....	2504	2	....	- 21.7	- 17.0	- 16.2	- 16.3	- 14.9	- 13.1	- 5.6	- 12.5	- 2.8	- 7.1	- 2.9
Dent.....	1964	2	....	- 0.6	- 0.1	+ 0.4	+ 0.9	0.0	+ 0.8	+ 4.6	+ 0.7	+ 4.1	+ 2.2	+ 4.7
Birchall.....	361	2	....	+ 13.5	+ 13.8	+ 21.0	+ 21.9	+ 9.1	+ 8.9	+ 11.0	+ 6.1	+ 9.4	+ 7.0	+ 4.3
Widenham.....	2225	2	....	- 2.1	+ 0.9	+ 5.7	+ 7.7	+ 8.8	+ 5.7	+ 4.2	+ 8.6	+ 8.8	+ 12.3	+ 8.9
Birchall.....	300	P	....	+ 10.3	+ 12.1	+ 14.3	+ 16.6	+ 1.9	+ 3.1	+ 3.8	+ 0.4	+ 0.5	+ 0.8	+ 4.2
Cribb.....	67	2	....	- 28.9	- 22.8	- 27.8	- 31.1	- 24.7	- 26.4	- 15.0	- 16.8	- 17.2	- 23.8	- 15.2
Clark and Son.....	1233	2	....	- 31.0	- 25.1	- 30.5	- 29.4	- 25.7	- 27.0	- 19.3	- 15.8	- 18.4	- 20.6	- 16.2
Baker.....	1041	2	....	....	....	- 12.8	- 14.9	....	....	- 12.7	....	- 13.9	- 13.3	- 12.2
H. T. Hewitt.....	316	2	....	- 35.3	- 30.1	- 30.2	- 30.1	- 19.6	- 18.0	- 20.3	- 23.0	- 21.7	- 14.2	- 12.2
Birch.....	1072	2	- 5.1	- 4.1	- 0.5	+ 0.3	- 0.3	+ 8.2	+ 7.2	+ 12.3	+ 6.4	+ 12.0	+ 18.5	+ 16.1
Murray.....	688	2	....	+ 3.3	- 2.2	- 9.3	- 6.7	+ 1.2	- 1.2	- 6.9	+ 1.6	- 1.6	- 4.0	- 5.9
Cotterell.....	932	2	....	+ 18.7	+ 15.0	+ 18.7	+ 14.8	+ 15.3	+ 18.4	+ 9.7	+ 13.9	+ 12.2	+ 12.8	+ 10.9
Parkinson and Frodsham..	2622	2	- 13.1	- 20.2	- 4.6	- 9.6	- 7.9	- 3.9	- 3.7	- 10.5	- 1.3	- 8.1	- 6.7	- 8.2
Poole.....	1244*	2	....	(- 51.1)	(- 49.0)	(- 51.7)	- 54.9	(- 45.7)	(- 52.1)	- 45.5	(- 42.2)	- 48.3	- 33.9	- 34.4
Eiffe.....	507	2	....	+ 34.5	+ 33.6	+ 39.8	+ 41.2	+ 29.1	+ 33.8	+ 48.4	+ 25.5	+ 40.7	+ 36.7	+ 40.9
Lockwood.....	46	2	....	+ 17.0	+ 12.2	+ 30.8	+ 32.2	+ 23.9	+ 28.0	+ 38.1	+ 10.3	+ 42.7	+ 37.9	+ 38.2
Stoddart.....	742	2	- 35.6	- 33.4	- 28.6	- 16.6	- 19.9	- 21.1	- 10.2	+ 1.3	- 20.5	+ 3.3	- 1.2	- 0.8
E. Massey.....	2	2	....	- 35.8	- 34.5	- 38.8	- 36.1	- 30.1	- 31.4	- 32.2	- 30.5	- 33.5	- 29.3	- 31.0
Lister and Sons.....	402	2	....	- 31.0	- 26.3	- 23.4	- 20.7	- 17.4	- 15.7	- 11.2	- 17.5	- 8.8	- 6.6	- 5.7
Muirhead.....	400	2	....	+ 24.7	+ 8.0	- 4.2	- 2.4	- 5.0	- 10.5	- 7.5	- 13.1	- 8.4	- 13.1	- 13.4
Muston.....	868	2	....	+ 7.2	+ 1.9	+ 6.2	+ 1.6	+ 2.8	+ 8.3	- 2.0	+ 1.9	- 6.0	+ 13.4	+ 17.0
Chronometrical Therm.	....	..	+ 2196.4	+ 2163.4	+ 1929.8	+ 1776.1	+ 1773.0	+ 1499.8	+ 1463.1	+ 1462.8	+ 1461.7	+ 1183.1	+ 1049.4	+ 878.8
Range of Thermometer in Chronometer Room ..	}	..	32° to 36°	29° to 41°	34° to 41°	36° to 42°	35° to 42°	31° to 50°	36° to 47°	39° to 52°	34° to 46°	39° to 51°	40° to 56°	46° to 54°
Range of Thermometer in open air, or in heated Iron Tray, for the Chronometers marked with an Asterisk.	}	..	27° to 38°	14° to 48°	29° to 48°	28° to 43°	....	26° to 51°	28° to 51°	....	32° to 49°	....	....	....

* 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.

May 1-8	April 24- May 1.	May. 8-15	June 5-12	May 15-22	May 22-29	May 29- June 5	July 3-10	April [†] 10-17	April [†] 17-24	June [†] 12-19	June [†] 19-26	June 26- July 3	NAME OF MAKER.	Number.
....	....	-11.5	-14.5	-16.4	-14.9	-14.6	-18.3	....	....	[-17.6]	[-16.5]	[-17.2]	E. J. Massey	123*
-7.6	-5.9	-10.5	-7.2	-12.0	-7.1	-6.9	-8.0	-5.6	-8.1	-8.9	-9.9	-11.7	Poole	1181*
-11.8	-11.8	-15.2	-14.4	-16.2	-18.3	-19.0	-12.4	-18.2	-18.0	-18.1	-16.2	-15.2	Dent	1967
+8.7	+6.1	+6.0	+5.9	+3.4	+4.8	+3.3	+5.8	+8.7	+7.7	+10.8	+11.4	+12.1	Webb	5552
+10.2	+4.6	+10.0	+12.2	+10.5	+8.2	+9.4	+3.7	+12.6	+8.5	+9.4	+5.9	+5.6	E. J. Massey	120
-6.6	-5.9	-5.2	-0.9	-6.4	-2.8	-2.1	+1.1	-6.5	-4.0	-3.7	-4.3	-5.0	Reid and Sons	1074
+12.2	+10.6	+12.5	+15.1	+11.8	+12.5	+11.3	+16.2	+2.9	+6.1	+16.5	+17.3	+17.1	Loseby	111
-22.3	-21.2	-22.5	-18.8	-25.1	-21.8	-20.6	-15.5	[-18.5]	[-18.1]	[-20.1]	[-17.0]	[-16.9]	C. Frodsham	2074*
-5.2	-6.4	-3.5	-2.9	-3.5	-4.9	-6.5	-4.5	-8.2	-7.4	-13.0	-12.7	-14.0	M'Gregor	132
-5.5	-7.5	-8.3	-1.9	-8.9	-7.1	-7.8	-0.6	-12.6	-11.8	-5.2	-4.3	-3.2	Loseby	113
-10.3	-8.5	-9.2	-3.6	-8.3	-5.9	-5.1	+0.5	-6.6	-5.5	-2.7	-2.5	-2.6	Poole	1241*
-19.9	-18.4	-17.0	-15.3	-16.3	-16.6	-16.4	-9.8	-15.5	-17.5	-20.1	-17.7	-18.3	Dent	1966
-6.0	-7.1	-5.4	-4.2	-6.1	-2.2	-2.8	-1.6	-8.6	-5.0	-3.4	-4.1	-6.6	Reid and Sons	1075
+14.3	+14.1	+9.8	+7.3	+8.8	+7.3	+7.1	+16.8	+7.6	+13.9	+18.5	+20.1	+18.1	Hutton	149
-16.0	-17.5	-13.1	-8.6	-12.8	-9.7	-8.0	-1.2	[-10.1]	[-11.4]	[-7.5]	[-4.8]	[-1.4]	C. Frodsham	2066*
+18.5	+18.8	+22.5	+26.9	+22.5	+22.9	+21.2	+29.0	+16.4	+14.9	+15.5	+17.3	+16.9	Dent	2066
-8.9	-8.0	-8.1	-3.9	-8.5	-7.3	-7.6	-6.5	-13.0	-9.6	-13.4	-14.3	-16.9	Poole	1162
+10.7	+8.0	+9.3	+10.6	+7.9	+7.2	+6.3	+8.2	+4.7	+1.8	-2.5	-1.0	-2.6	Carter	461
-1.6	-1.0	+2.4	+2.5	+2.4	+3.3	+2.5	+9.4	-3.4	-3.9	+4.0	+4.2	+2.1	Parkinson and Frodsham	2451
-4.2	-8.7	-2.2	+1.5	-2.0	-1.3	-2.6	-3.6	-8.2	-9.8	-9.4	-10.2	-10.5	H. Parkinson	636
+15.2	+13.5	+18.2	+18.5	+17.7	+17.0	+14.4	+21.3	+6.5	+8.5	+9.0	+12.0	+12.1	Dixon	300
-10.0	-10.1	-10.5	-5.7	-10.1	-11.7	-15.0	-10.6	-14.4	-16.4	-17.7	-18.1	-20.0	T. Hewitt	1220
+20.3	+21.5	+29.0	+33.4	+28.4	+31.2	+31.6	+39.1	+29.5	+30.1	+31.5	+31.8	+31.2	Norris and Campbell...	537
+9.1	+9.6	+7.3	+11.4	+8.2	+8.8	+8.6	+18.7	+3.0	+5.4	+5.2	+10.0	+11.5	Fletcher	1161
+6.7	+4.6	+4.2	+1.6	+2.5	+11.5	+10.6	+13.8	+18.9	+15.6	+16.1	+14.2	+15.2	T. Hewitt	1117
-9.2	-5.8	-11.1	-2.0	-10.3	-7.1	-5.5	-2.6	[-5.5]	[-4.5]	[-1.5]	[-0.9]	[-1.3]	Loseby	119*
+1.4	-0.6	-1.1	-0.9	-2.1	-5.5	-6.3	-6.5	-14.1	-12.0	-15.0	-16.2	-17.9	Eiffe	290
+18.2	+17.2	+21.2	+21.3	+20.9	+21.4	+20.7	+22.8	+9.3	+12.9	+16.1	+15.6	+15.0	Connell	422
-19.2	-14.3	-10.8	-11.6	-7.9	-7.0	-6.9	-15.9	-7.5	-12.9	-13.3	-16.7	-19.8	Baker	1090
+2.4	+1.5	+4.6	+8.5	+5.6	+5.4	+3.9	+11.2	-5.8	-3.1	+1.4	+2.3	+3.2	Appleton	531
-14.4	-14.2	-11.7	-13.7	-11.9	-12.2	-14.6	-14.2	-15.9	-17.0	-22.2	-22.4	-22.5	Widenham	3021
-1.7	-0.7	-1.5	+1.4	+0.8	-0.6	-1.1	-3.7	-5.6	-6.6	+0.2	-1.4	+1.3	Shepherd	1313
+23.7	+25.2	+25.1	+27.6	+25.4	+24.0	+23.9	+26.6	+19.0	+19.0	+18.8	+19.6	+20.3	Appleton	532
+2.8	+0.8	+4.6	+5.3	+5.0	+5.2	+3.1	+7.9	-13.5	-1.8	+0.1	+1.4	+0.3	Bouts	366
+27.2	+27.6	+31.5	+31.7	+29.1	+27.6	+27.4	+17.2	+26.5	+23.0	+17.1	+14.8	+17.1	Carter	471
+8.7	+5.6	+13.6	+13.3	+13.5	+14.2	+11.9	+6.7	+4.7	+8.8	+5.8	+3.3	-1.3	Adams	2504
+8.2	+6.7	+8.5	+11.6	+8.5	+6.2	+5.8	+8.8	-3.9	-3.8	-6.5	-3.9	-5.5	Dent	1964
+11.8	+11.8	+17.5	+21.1	+18.0	+23.5	+22.7	+29.4	+18.9	+18.7	+26.7	+27.6	+27.6	Birchall	361
+25.2	+19.7	+24.7	+26.0	+23.6	+25.0	+24.6	+26.7	+7.5	+6.6	+16.0	+13.9	+17.1	Widenham	2225
+5.2	+4.3	+7.2	+13.6	+8.5	+7.1	+10.0	+12.5	+3.0	+4.8	+8.0	+7.4	+9.9	Birchall	300
-17.1	-17.9	-4.5	-0.5	+1.1	-1.5	-2.7	-17.2	-17.6	-14.6	-14.0	-19.0	-24.3	Cribb	67
-5.2	-3.3	-0.5	+1.2	-0.7	+1.5	+0.7	+6.0	-5.8	-1.1	0.0	+1.8	+3.2	Clark and Son	1233
-19.4	-18.2	-15.8	-21.1	-16.7	-21.8	-24.3	-29.1	-23.2	-24.4	-38.1	-40.2	-41.3	Baker	1041
-13.7	-12.4	-8.5	-0.7	-5.5	-2.4	-1.6	+1.7	-6.1	-7.9	-4.1	-5.7	-3.8	H. T. Hewitt	316
+20.9	+19.6	+26.5	+26.2	+27.9	+26.1	+23.1	+25.7	+23.9	+20.3	+19.8	+19.3	+20.2	Birch	1072
-15.7	-14.1	-9.4	-2.4	-8.1	-10.9	-14.9	-6.0	-15.5	-20.0	-23.3	-25.0	-26.7	Murray	622
-7.2	-10.4	-8.5	-6.4	-12.5	-8.0	-7.7	-7.4	-6.3	-17.5	-17.1	-16.2	-18.8	Cotterell	2225
-10.3	-6.9	0.0	-3.0	+1.1	+5.3	+5.7	+4.8	+13.6	+11.6	+11.4	+10.1	+9.1	Parkinson and Frodsham	2622
-34.1	-28.8	-32.8	-25.0	-30.1	-24.0	-22.9	-16.7	-29.0	-27.9	-21.4	-20.1	-18.4	Poole	1244*
+64.3	+62.0	+58.7	+62.0	+56.5	+55.2	+51.9	+66.5	+38.4	+48.4	+41.1	+55.3	+46.0	Eiffe	507
+49.3	+46.7	+54.5	+69.6	+58.1	+60.2	+63.8	+82.2	+44.1	+45.5	+67.1	+69.8	+74.2	Lockwood	46
+6.8	-0.5	+12.4	+12.3	+13.6	+15.7	+13.7	+11.5	+5.6	+2.5	+11.0	+8.8	+8.6	Stoddart	742
-52.5	-47.2	-45.5	-44.6	-45.6	-46.8	-48.7	-70.4	-45.5	-54.8	-68.9	-74.1	-80.3	E. Massey	2
+12.9	+4.8	+19.7	+24.9	+21.8	+30.1	+28.2	+26.6	+16.3	+12.4	+27.0	+23.3	+20.8	Lister and Sons	402
-16.4	-19.6	-20.8	-21.9	-24.2	-29.7	-33.1	-26.6	-20.6	-21.5	+7.5	+7.7	+8.1	Muirhead	400
+7.6	-0.3	+17.6	+5.8	+20.3	+36.9	+38.7	+9.6	+45.6	+9.7	+60.7	+40.2	+46.6	Muston	262
+692.7	+428.3	+181.4	+75.6	+10.4	-536.6	-694.6	-914.4	-981.4	-1111.2	-1236.5	-1837.7	-1889.7		
48° to 57°	47° to 58°	52° to 64°	56° to 68°	58° to 65°	60° to 76°	66° to 75°	67° to 88°	68° to 82°	68° to 82°	77° to 88°	77° to 86°	80° to 86°		
....	....	....	....	....	....	....	....	75° to 104°	75° to 106°	87° to 110°	88° to 109°	88° to 108°		

* These Chronometers were exposed to the open air on the North side of the building, during the weeks in which their rates are included in parentheses (); and were placed near to the stove in a temperature of about 100°, during the weeks in which their rates are included 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.	Number of Weeks.	Least Weekly Sum.	In what Week.
E. J. Massey.....	123*	2	{ January 30 } { May 8 }	{ April 10 } { July 10 }	19	(- 3·0) - 18·3	{ February 6 to 13 } { July 3 to 10 }
Poole	1181*	2	January 16	July 10	25	- 12·0	May 15 to 22
Dent	1967	2	January 16	July 10	25	- 19·0	May 29 to June 5
Webb	5552	2	January 23	July 10	24	+ 3·3	May 29 to June 5
E. J. Massey.....	120	2	January 23	July 10	24	+ 0·9	February 6 to 13
Reid and Sons	1074	2	January 23	July 10	24	- 12·3	March 6 to 13
Loseby	111	2	January 23	July 10	24	- 0·8	February 20 to 27
C. Frodsham	2074*	2	January 16	July 10	25	(- 29·7)	February 6 to 13
M'Gregor	138	2	January 23	July 10	24	- 15·0	February 6 to 13
Loseby	113	2	January 23	July 10	24	- 17·7	March 13 to 20
Poole	1241*	2	January 23	July 10	24	(- 19·0)	February 20 to 27
Dent	1966	2	March 13	July 10	17	- 26·3	March 13 to 20
Reid and Sons	1075	2	January 23	July 10	24	- 24·8	February 27 to March 6
Hutton	149	2	February 13	July 10	21	+ 4·3	March 20 to 27
C. Frodsham	2066*	2	January 16	July 10	25	(- 24·3)	February 6 to 13
Dent	2066	2	March 13	July 10	17	+ 13·6	March 27 to April 3
Poole	1168	2	January 16	July 10	25	- 22·9	February 13 to 20
Carter	461	2	January 23	July 10	24	- 3·8	February 6 to 13
Parkinson and Frodsham.....	2451	2	January 16	July 10	25	- 16·8	March 6 to 13
H. Parkinson	636	2	January 16	July 10	25	- 17·7	January 16 to 23
Dixon	300	2	January 23	July 10	24	- 0·9	January 30 to February 6
T. Hewitt	1220	2	January 23	July 10	24	- 23·1	{ January 30 to February 6 } { February 6 to 13 }
Norris and Campbell	537	2	January 23	July 10	24	+ 12·4	February 6 to 13
Fletcher	1161	2	January 23	July 10	24	- 12·1	February 6 to 13
T. Hewitt	1117	2	January 23	July 10	24	+ 1·6	June 5 to 12
Loseby	119*	2	January 23	July 10	24	(- 25·0)	February 13 to 20
Eiffe	280	1	January 23	July 10	24	- 17·9	June 26 to July 3 †
Connell	488	2	January 23	July 10	24	- 9·6	February 6 to 13
Baker	1090	2	January 23	July 10	24	- 30·1	February 6 to 13
Appleton	531	2	January 23	July 10	24	- 21·4	February 6 to 13
Widenham	3021	2	January 23	July 10	24	- 42·0	February 6 to 13
Shepherd	1313	2	January 23	July 10	24	- 21·3	January 30 to February 6
Appleton	532	2	January 23	July 10	24	- 5·9	January 30 to February 6
Bouts	366	2	January 23	July 10	24	- 21·4	March 6 to 13
Carter	471	2	January 30	July 10	23	+ 7·1	June 26 to July 3 †
Adams	2504	2	January 23	July 10	24	- 21·7	February 6 to 13
Dent	1964	2	January 23	July 10	24	- 6·5	June 12 to 19 †
Birchall	361	2	January 23	July 10	24	+ 4·3	March 20 to 27
Widenham	2225	2	January 23	July 10	24	- 2·1	February 6 to 13
Birchall	300	P	January 23	July 10	24	- 4·2	March 20 to 27
Cribb	67	2	January 23	July 10	24	- 31·1	March 6 to 13
Clark and Son	1233	2	January 23	July 10	24	- 31·0	February 6 to 13
Baker	1041	2	February 27	July 10	19	- 41·3	June 26 to July 3 †
H. T. Hewitt	316	2	January 23	July 10	24	- 35·3	February 6 to 13
Birch	1072	2	January 16	July 10	25	- 5·1	January 16 to 23
Murray	688	2	January 23	July 10	24	- 26·7	June 26 to July 3 †
Cotterell	$\frac{932}{2625}$	2	January 23	July 10	24	- 18·8	June 26 to July 3 †
Parkinson and Frodsham.....	2622	2	January 16	July 10	25	- 20·2	February 6 to 13
Poole	1244*	2	January 23	July 10	24	- 54·9	March 6 to 13
Eiffe	507	2	January 23	July 10	24	+ 25·5	January 23 to 30
Lockwood	46	2	January 23	July 10	24	+ 10·3	January 23 to 30
Stoddart	742	2	January 16	July 10	25	- 35·6	January 16 to 23
E. Massey	2	2	January 23	July 10	24	- 80·3	June 26 to July 3 †
Lister and Sons	402	2	January 23	July 10	24	- 31·0	February 6 to 13
Muirhead	400	2	January 23	July 10	24	- 33·1	May 29 to June 5
Muston	868	2	January 23	July 10	24	- 6·0	April 3 to 10

* 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 or 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.		
{ + 4.7 }	{ March 27 to April 3 }	{ 7.7 }	{ 3.5 }	{ February 27 }	E. J. Massey	123*
- 11.5 }	May 8 to 15 }	6.8 }	4.9 }	May 15 }	Poole	1181*
- 3.2 }	March 27 to April 3 }	8.8 }	5.0 }	April 3 }	Dent	1967
- 7.9 }	January 16 to 23 }	11.1 }	6.2 }	April 24 }	Webb	5552
+ 14.6 }	April 3 to 10 }	11.3 }	6.3 }	July 3 }	E. J. Massey	120
+ 15.2 }	March 27 to April 3 }	14.3 }	5.6 }	May 1 }	Reid and Sons	1074
+ 1.1 }	July 3 to 10 }	13.4 }	6.1 }	July 3 }	Loseby	111
+ 17.3 }	June 19 to 26 † }	18.1 }	4.6 }	April 10 }	C. Frodsham	2074*
- 15.5 }	July 3 to 10 }	14.2 }	7.5 }	February 13 }	M'Gregor	138
- 2.9 }	June 5 to 12 }	12.1 }	10.1 }	June 12 }	Loseby	113
- 0.6 }	July 3 to 10 }	17.1 }	8.5 }	February 13 }	Poole	1241*
+ 0.5 }	July 3 to 10 }	19.5 }	8.1 }	April 10 }	Dent	1966
- 9.8 }	July 3 to 10 }	16.5 }	9.8 }	April 10 }	Reid and Sons	1075
- 1.6 }	July 3 to 10 }	23.2 }	6.7 }	April 10 }	Hutton	149
+ 20.1 }	June 19 to 26 † }	15.8 }	11.2 }	June 12 }	C. Frodsham	2066*
- 1.2 }	July 3 to 10 }	23.1 }	8.2 }	April 10 }	Dent	2066
+ 29.0 }	July 3 to 10 }	15.4 }	12.1 }	July 3 }	Poole	1168
- 3.9 }	June 5 to 12 }	19.0 }	10.4 }	July 3 }	Carter	461
+ 10.7 }	May 1 to 8 }	14.5 }	13.1 }	June 12 }	Parkinson and Frodsham	2451
+ 9.4 }	July 3 to 10 }	26.2 }	7.3 }	July 3 }	H. Parkinson	636
+ 1.5 }	June 5 to 12 }	19.2 }	10.9 }	June 12 }	Dixon	300
+ 21.3 }	July 3 to 10 }	22.2 }	9.5 }	June 12 }	T. Hewitt	1220
- 5.7 }	June 5 to 12 }	17.4 }	12.0 }	June 12 }	Norris and Campbell	537
+ 39.1 }	July 3 to 10 }	26.7 }	8.7 }	May 8 }	Fletcher	1161
+ 18.7 }	July 3 to 10 }	30.8 }	7.2 }	July 3 }	T. Hewitt	1117
+ 18.9 }	April 10 to 17 † }	17.3 }	14.5 }	June 12 }	Loseby	119*
[+ 1.3]	June 26 to July 3 † }	26.3 }	10.4 }	April 10 }	Eiffe	280
+ 1.4 }	May 1 to 8 }	19.3 }	14.1 }	June 12 }	Connell	488
+ 22.8 }	July 3 to 10 }	32.4 }	7.8 }	July 3 }	Baker	1090
- 6.9 }	May 29 to June 5 }	23.2 }	12.5 }	February 13 }	Appleton	531
+ 11.2 }	July 3 to 10 }	32.6 }	8.0 }	July 3 }	Widenham	3021
- 11.7 }	May 8 to 15 }	30.3 }	9.3 }	April 10 }	Shepherd	1313
+ 1.4 }	June 5 to 12 }	22.7 }	14.0 }	March 13 }	Appleton	532
+ 28.6 }	July 3 to 10 }	34.5 }	8.8 }	June 12 }	Bouts	366
+ 7.9 }	July 3 to 10 }	29.3 }	11.7 }	April 17 }	Carter	471
+ 31.7 }	June 5 to 12 }	24.6 }	14.6 }	June 12 }	Adams	2504
+ 14.2 }	May 22 to 29 }	35.9 }	9.2 }	March 13 }	Dent	1964
+ 11.6 }	June 5 to 12 }	18.1 }	18.1 }	June 12 }	Birchall	361
+ 29.4 }	July 3 to 10 }	25.1 }	14.9 }	March 13 }	Widenham	2225
+ 26.7 }	July 3 to 10 }	28.8 }	13.1 }	April 24 }	Birchall	300
+ 16.6 }	March 6 to 13 }	20.8 }	17.4 }	February 27 }	Cribb	67
+ 1.1 }	May 15 to 22 }	32.2 }	13.5 }	June 12 }	Clark and Son	1233
+ 6.0 }	July 3 to 10 }	37.0 }	12.6 }	April 10 }	Baker	1041
- 12.2 }	March 20 to 27 }	29.1 }	17.0 }	June 12 }	H. T. Hewitt	316
+ 1.7 }	July 3 to 10 }	37.0 }	15.9 }	March 13 }	Birch	1072
+ 27.9 }	May 15 to 22 }	33.0 }	18.8 }	March 13 }	Murray	628
+ 3.3 }	February 6 to 13 }	30.0 }	20.9 }	June 12 }	Cotterell	2632
+ 18.7 }	{ February 6 to 13 }	37.5 }	18.5 }	April 10 }	Parkinson and Frodsham	2622
+ 13.6 }	{ February 27 to March 6 }	33.8 }	21.7 }	April 10 }	Poole	1244*
- 16.7 }	April 10 to 17 † }	38.2 }	21.0 }	March 13 }	Eiffe	507
+ 66.5 }	July 3 to 10 }	41.0 }	20.9 }	June 12 }	Lockwood	46
+ 82.2 }	July 3 to 10 }	71.9 }	8.0 }	July 3 }	Stoddart	742
+ 15.7 }	May 22 to 29 }	51.3 }	18.7 }	March 13 }	E. Massey	2
- 29.3 }	March 13 to 20 }	51.0 }	24.3 }	June 12 }	Lister and Sons	402
+ 30.1 }	May 22 to 29 }	61.1 }	25.1 }	April 10 }	Muirhead	400
+ 24.7 }	February 6 to 13 }	57.8 }	34.7 }	July 3 }	Muston	868
+ 60.7 }	June 12 to 19 † }	66.7 }	54.9 }	June 12 }		

* 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.

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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.
E. J. Massey.....	123	2	{ March 6 } { May 8 }	{ April 10 } { July 10 }	11	{ + 1 ^s 9 } { - 18 3 }	{ March 13 to 20 } { July 3 to 10 }
C. Frodsham.....	2074	2	March 6	July 10	13	- 24 3	March 6 to 13
Poole.....	1181	2	March 6	July 10	18	- 12 0	May 15 to 22
C. Frodsham.....	2066	2	March 6	July 10	13	- 21 8	March 6 to 13
Loseby	119	2	March 6	July 10	13	- 20 2	March 6 to 13
Poole.....	1241	2	March 6	July 10	18	- 15 4	{ March 6 to 13 } { March 20 to 27 }
Poole.....	1244	2	March 6	July 10	18	- 54 9	March 6 to 13

EXPOSED TO MORE SEVERE TRIALS, OF MORE SEVERE COLD OR HEAT.					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.		
{ + 4.7 }	{ March 27 to April 3 }	{ 2.8 }	{ 2.2 }	{ March 20 }	E. J. Massey	123
- 11.5	{ May 8 to 15 }	{ 6.8 }	{ 4.9 }	{ May 15 }	C. Frodsham	2074
- 15.5	July 3 to 10	8.8	3.3	May 22	Poole.....	1181
- 3.2	March 27 to April 3	8.8	5.0	April 3	C. Frodsham.....	2066
- 1.2	July 3 to 10	20.6	3.1	May 22	Loseby	119
- 2.0	June 5 to 12	18.2	4.5	March 27	Poole.....	1241
+ 0.5	July 3 to 10	15.9	8.1	April 10	Poole.....	1244
- 16.7	July 3 to 10	38.2	21.0	March 13		