

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

1848.

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. 15—22	Jan. 22—29	Jan. 29— Feb. 5	Feb. 5—12	Feb. 12—19	Feb. 19—26	Feb. 26— Mar. 4	March 4—11	March 11—18	March 18—25	Mar. 25— Apr. 1	April 1—8
Loseby.....	115	2	.....	+21.2	+19.9	+18.8	+19.7	+21.1	+21.7	+20.1	+22.3	+22.0	+18.9	+20.7
E. J. Massey	129	2	.....	-17.4	-15.9	-14.4	-20.4	-20.9	-23.3	-26.9	-27.2	-26.7	-23.4	-22.4
Loseby	118	2	.....	+ 8.6	+11.7	+12.4	+12.2	+13.0	+12.3	+11.9	+12.8	+11.2	+ 8.1	+11.4
Webb.....	5538	2	.....	-18.9	-18.4	-10.1	-11.2	-10.1	- 7.9	- 9.7	- 7.9	- 8.1	-15.9	-17.1
Hewitt	1117*	2	.....	.....	(+13.0)	(+10.6)	(+ 9.4)	+11.3	+10.0	+ 9.3	+11.3	+ 9.9	[+ 1.3]	[+ 1.6]
E. J. Massey.....	132*	2	.....	(+12.6)	(+14.6)	(+ 8.6)	(+ 9.6)	+11.1	+ 8.0	+10.2	+ 7.1	+ 7.4	[+10.9]	[+10.3]
Webb	5123	2	.....	.....	.....	-11.4	-14.9	- 6.0	-10.8	-12.7	- 8.4	- 6.3	-11.3	- 8.5
Dent	2035	2	- 1.7	- 1.4	- 4.6	- 9.4	- 8.9	-10.5	- 9.1	- 8.8	- 8.9	-10.7	-12.9	- 6.8
W. Shepherd	228*	2	.....	.....	.....	.....	.....	.....	.....	.....	- 8.0	- 8.3	[- 1.8]	[+ 3.4]
Fletcher.....	1164	2	.....	-18.5	-11.5	- 8.8	-14.0	-15.0	-16.5	-21.3	-18.1	-15.8	-14.8	-12.1
Birchall	361	2	.....	+ 1.8	- 8.9	- 2.8	- 4.6	- 5.6	- 5.2	- 7.0	- 6.8	- 5.2	- 4.9	- 7.6
E. J. Massey.....	130	2	.....	-14.9	- 9.6	- 1.9	- 1.8	- 5.0	- 4.0	- 4.6	- 3.8	- 3.2	+ 5.6	+ 0.9
Eiffe	442*	8	.....	.....	.....	(+10.2)	(+11.4)	+13.2	+15.6	+16.2	+17.3	.....	.....	[+40.0]
Reid and Sons	1083	2	.....	-20.8	-11.5	- 7.2	- 8.8	- 7.5	- 7.7	- 8.9	- 9.2	- 7.5	-13.3	-12.9
Parkinson and Frodsham..	2661	2	.....	.....	- 4.8	+ 4.2	+ 1.5	+ 1.1	+ 0.2	+ 2.8	+ 0.3	+ 0.2	+ 6.6	+ 4.0
Dixon	306	2	.....	- 3.2	- 5.1	- 4.6	- 5.4	- 5.5	- 4.8	- 3.3	- 3.6	- 1.8	- 8.6	-11.9
Eiffe	280	1	.....	.....	.....	-20.5	-18.4	-14.7	-18.6	-21.7	-22.6	-27.4	-37.5	-28.4
Lister and Sons	505	2	.....	.....	-13.4	-12.4	-15.1	-13.4	-12.9	-14.9	-14.0	-13.8	- 9.3	- 5.1
Appleton	532	2	.....	-12.1	- 6.1	- 5.2	- 7.3	- 7.3	- 6.4	- 5.8	- 3.0	0.0	+ 0.7	+ 1.9
Hart and Son	432	2	.....	-42.8	-39.6	-28.0	-27.3	-28.0	-33.4	-35.3	-37.6	-35.3	-24.9	-28.1
Poole.....	1256*	2	.....	.....	(-14.6)	(-13.9)	(-16.0)	-13.4	-13.4	-15.2	-14.2	-14.2	[-14.3]	[- 9.7]
Dent	2100	2	-13.2	-18.7	-16.2	-13.5	-14.7	-11.2	-12.5	-13.9	-11.3	-10.7	- 9.9	- 1.9
Poole	1313	2	.....	.....	- 0.8	+ 4.2	+ 0.5	+ 2.6	+ 2.6	+ 0.7	+ 0.8	+ 1.6	+ 2.1	+ 4.6
Fletcher.....	1159	2	.....	.....	-22.3	-13.4	-18.3	-20.5	-15.8	-21.0	-19.9	-15.8	- 5.9	- 6.5
Poole	1320	2	.....	-20.8	-17.3	-11.3	-13.7	-14.1	-15.9	-16.8	-14.8	-16.5	-20.5	-24.4
Birchall	378	2	.....	-32.8	-24.7	-16.4	-19.5	-19.9	-20.3	-22.9	-21.6	-19.2	-20.3	-22.7
Hutton.....	158*	2	.....	.....	.....	(- 6.9)	- 3.3	- 2.2	- 2.1	+ 2.1	+ 2.9	[+ 1.2]	[+ 7.4]	.....
H. Parkinson	638	2	.....	-16.2	- 9.0	- 2.1	- 3.7	- 2.1	- 0.6	- 2.6	- 1.2	- 0.8	-15.4	-22.3
Lister and Sons	506	2	.....	-21.4	-17.6	-10.0	-17.0	-17.2	-16.9	-20.5	-19.1	-18.6	- 6.0	- 3.5
Muston	863	2	.....	-29.7	-20.8	-14.8	-16.4	-14.0	-11.9	-15.1	-13.2	- 7.9	- 3.8	- 7.6
Clark and Son	1233	2	.....	-31.3	-25.5	-18.1	-22.2	-23.2	-23.8	-24.8	-23.2	-21.6	-15.5	-11.8
W. Shepherd	230*	2	.....	.....	.....	.....	.....	.....	.....	.....	- 3.7	- 5.2	[-22.4]	[-21.6]
Poole.....	1244*	2	.....	(-14.0)	(-12.2)	(-10.9)	(- 3.4)	- 0.2	+ 0.3	+ 0.4	+ 2.3	+ 0.2	+11.1	+ 9.3
Baker	1131	2	.....	-36.7	-28.7	-16.4	-19.0	-18.4	-15.8	-19.3	-19.3	-16.7	- 4.8	-11.4
Appleton	531	2	.....	- 0.6	+10.1	+17.5	+15.0	+16.6	+17.8	+16.8	+17.1	+20.5	+19.0	+17.3
Reid and Sons	1080	2	.....	-21.8	-15.2	-12.0	-16.3	-16.5	-17.8	-20.8	-23.6	-23.6	-38.2	-42.0
Hewitt	1061	2	.....	-15.6	- 5.5	+ 1.1	+ 1.2	+ 2.7	+ 1.9	+ 1.8	+ 2.8	+ 2.2	-15.7	-19.2
C. Frodsham	2081*	2	.....	.....	(- 3.3)	(- 4.3)	(- 5.0)	- 4.0	- 3.8	- 3.8	- 1.9	- 4.0	[+ 9.7]	[+13.2]
Norris and Campbell.....	586	2	.....	-17.9	-24.2	-18.0	-21.2	-20.6	-18.1	-19.9	-20.3	-15.6	- 8.7	-11.1
M'Gregor	1600	2	.....	-31.9	-25.8	-20.4	-25.9	-25.6	-25.3	-27.7	-27.2	-24.4	- 7.5	- 5.2
W. Shepherd	222*	2	.....	.....	.....	.....	.....	.....	.....	.....	-18.6	-23.6	[- 4.1]	[+ 9.5]
C. Frodsham	1516	2	.....	+ 4.2	+14.9	+18.1	+16.1	+20.0	+19.6	+18.6	+20.4	+21.3	- 3.7	- 4.4
Hewitt	1044	2	.....	+19.1	+19.6	+15.4	+15.1	+16.2	+14.1	+14.1	+13.8	+12.4	-12.5	-11.7
Parkinson and Frodsham..	2593	2	.....	.....	+21.4	+12.6	+12.8	+13.7	+11.1	+14.1	+15.4	+12.4	+ 1.2	-10.0
M'Clellan	137	8	.....	-31.3	-15.2	- 2.9	- 6.8	- 7.5	- 6.4	-10.6	-10.8	- 4.3	+13.2	+14.2
Shepherd	1530	2	.....	+63.0	+45.8	+29.0	+32.5	+37.7	+32.6	+38.7	+40.3	+33.5	+ 6.3	+ 6.5
Muirhead	450	2	.....	-30.5	-26.3	-23.9	-25.9	-25.9	-24.9	-27.0	-26.5	-27.6	-58.8	-48.7
Cummins	1256	2	.....	+27.2	+24.8	+16.7	+16.5	+20.1	+17.2	+19.6	+20.3	+16.8	-26.6	-27.4
Chronometrical Therm.	....	..	+2056.4	+2374.5	+1825.8	+1169.1	+1314.6	+1401.4	+1341.3	+1395.7	+1530.7	+1212.4	-1499.4	-1675.2
Range of Thermometer in Chronometer Room ...	}	..	32° to 42°	28° to 34°	32° to 48°	43° to 51°	37° to 50°	38° to 50°	42° to 49°	38° to 47°	40° to 46°	41° to 51°	74° to 85°	73° to 89°
Range of Thermometer in open air, or in heated Iron Tray, for the Chronometers marked with an Asterisk.	} ....	..	....	18° to 40°	30° to 52°	36° to 53°	30° to 53°	....	....	....	....	....	80° to 110°	85° to 110°

* 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. W. Shepherd 222, 228, 230, were subjected to the heat of the room or the stove only during part of those weeks.

Eiffe 442 stopped after winding on March 18 : it was taken away by its owner for examination, and was rated again on its return.

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

AT THE ROYAL OBSERVATORY, GREENWICH, 1848.

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IN THE ORDER OF TIME.

													OF	Number.
April 8-15	April 15-22	April 22-29	April 29- May 6	May 6-13	May 13-20	May 20-27	May 27- June 3	June 3-10	June 10-17	June 17-24	June 24- July 1	July 1-8	MAKER.	
+25.3	+24.7	+26.8	+27.4	+23.5	+24.2	+25.2	+24.4	+27.5	+24.0	+25.0	+26.7	+27.2	Loseby.....	115
-20.9	-24.2	-29.2	-28.9	-25.5	-23.8	-22.4	-21.4	-19.1	-21.6	-23.0	-23.5	-23.6	E. J. Massey.....	129
+15.3	+15.3	+21.9	+19.5	+17.8	+18.0	+17.8	+18.2	+19.5	+17.1	+18.2	+19.6	+18.7	Loseby.....	118
-18.6	-16.6	-12.3	-13.5	-19.3	-15.8	-12.6	-9.6	-7.3	-9.2	-12.1	-9.9	-11.4	Webb.....	5538
[+1.7]	[+5.3]	+2.9	+2.1	+9.4	+9.4	+6.2	+8.9	+3.0	[+11.2]	[+9.0]	+7.1	+8.6	Hewitt.....	1117*
[+11.7]	[+6.5]	-1.3	0.0	+0.6	+1.7	+1.1	+1.4	+2.1	[+6.9]	[+7.5]	-0.1	+0.9	E. J. Massey.....	132*
-3.2	-4.6	-3.9	+0.6	-0.5	-0.9	-0.8	-3.4	-3.2	-7.5	-12.5	-9.1	-7.9	Webb.....	5128
-1.5	-3.1	-0.3	+2.5	+4.3	+4.5	+3.3	+2.3	+2.5	+4.4	+6.5	+8.5	+5.9	Dent.....	2035
[+1.7]	[+4.5]	-2.3	-1.0	+3.0	+5.7	+4.6	+6.9	+8.0	[+12.5]	[+14.0]	+8.4	+7.4	W. Shepherd.....	228*
-6.2	-7.7	-5.7	-4.3	-3.2	-2.3	-1.5	-2.4	+1.4	-4.0	-3.5	+2.4	+3.2	Fletcher.....	1164
+0.9	-0.2	+2.3	+3.9	+7.0	+7.3	+6.6	+7.9	+7.1	+2.3	+2.6	+9.0	+8.4	Birchall.....	361
+0.3	-0.7	+2.9	-0.5	-0.2	+1.5	+6.1	+4.5	+7.2	-0.3	-3.0	+3.1	+2.4	E. J. Massey.....	130
[+47.5]	[+48.6]	+44.3	+35.0	+35.6	+33.3	+32.4	+32.3	+32.2	[+43.9]	[+46.3]	+41.2	+37.9	Eiffe.....	442*
-8.7	-8.1	-2.7	-1.1	-3.6	-1.6	-0.9	0.0	+0.9	-1.6	-2.1	+1.1	+2.3	Reid and Sons.....	1083
+9.1	+9.5	+1.9	+2.4	+14.0	+13.8	+11.6	+7.5	+9.0	+7.9	+8.4	+13.0	+11.0	Parkinson and Frodsham	2661
-3.8	-7.1	+1.8	+3.1	+1.9	+1.8	+2.9	+3.1	+5.1	-4.1	-4.6	+7.1	+5.9	Dixon.....	306
-24.0	-23.3	-18.3	-16.1	-19.0	-17.0	-17.0	-17.7	-15.3	-17.5	-17.8	-15.9	-15.7	Eiffe.....	280
-1.4	-4.0	-2.3	-1.9	+6.0	+8.7	+10.1	+7.4	+6.1	+1.9	+4.6	+12.4	+10.8	Lister and Sons.....	505
+8.1	+5.7	+8.1	+10.6	+11.6	+11.7	+13.6	+14.0	+15.4	+8.3	+8.2	+16.0	+14.8	Appleton.....	532
-30.9	-26.4	-22.8	-24.1	-30.5	-28.0	-24.6	-23.1	-21.7	-24.7	-25.2	-23.8	-22.6	Hart and Son.....	432
[+7.4]	[+1.1]	+7.5	+6.9	+10.0	+10.8	+8.6	+9.0	+10.0	[+2.4]	[+4.0]	+12.4	+9.1	Poole.....	1256*
+3.2	+1.8	+0.3	+0.5	+5.5	+5.5	+5.3	+5.5	+6.6	+7.8	+7.5	+11.0	+10.0	Dent.....	2100
+8.1	+8.7	+15.4	+17.2	+18.0	+18.6	+22.8	+22.9	+23.4	+12.0	+12.6	+23.3	+23.0	Poole.....	1313
-4.3	-4.6	-7.3	-3.6	+2.1	+3.2	+3.1	+4.1	+3.7	+1.2	+0.5	+5.3	+5.1	Fletcher.....	1159
-11.4	-10.0	-9.3	-9.8	-2.6	-3.3	-5.4	-5.5	-6.6	-12.0	-12.0	-4.1	-5.4	Poole.....	1320
-15.3	-15.0	-11.4	-6.9	-6.8	-6.4	-5.5	-5.1	-3.4	-12.0	-12.5	-3.2	-3.4	Birchall.....	372
[+9.6]	[+18.3]	+18.5	+16.0	+19.8	+23.0	+20.1	+22.0	+22.5	[+16.9]	[+18.0]	+24.0	+21.9	Hutton.....	158*
-17.7	-18.7	-15.4	-10.3	-5.6	-4.9	-3.0	-2.3	-0.5	-11.1	-12.5	-5.4	-3.0	H. Parkinson.....	632
+1.3	-0.7	-1.2	+2.0	+5.0	+4.2	+4.3	+2.9	+1.9	+1.4	+1.1	+4.5	+5.0	Lister and Sons.....	506
-3.6	-5.2	-10.8	-11.4	-12.0	-9.5	-9.9	-3.6	-0.7	-5.7	-0.5	+2.5	+4.5	Muston.....	863
-3.3	-4.3	-1.3	+1.0	+3.1	+2.7	+3.7	+2.3	+5.5	-3.1	+1.2	+5.8	+4.9	Clark and Son.....	1233
[+22.7]	[+22.1]	-15.1	-14.0	-8.5	-6.1	-6.2	-4.0	-2.5	[+15.6]	[+16.5]	-4.8	-3.3	W. Shepherd.....	230*
+12.8	+12.0	+14.0	+15.2	+17.5	+17.1	+16.3	+18.4	+18.8	+16.8	+16.5	+19.0	+17.9	Poole.....	1244*
-8.4	-11.6	-16.8	-17.4	-11.5	-10.3	-8.7	-6.1	-6.1	-9.2	-10.9	-5.0	-4.4	Baker.....	1131
+24.4	+23.6	+29.4	+31.1	+30.3	+30.5	+32.7	+33.4	+36.1	+26.9	+26.9	+33.4	+35.1	Appleton.....	531
-32.2	-31.1	-25.3	-23.4	-20.0	-19.7	-19.4	-19.2	-19.4	-27.2	-23.5	-16.9	-17.0	Reid and Sons.....	1080
-8.3	-11.3	+4.0	+2.6	-1.4	+0.6	+3.1	+4.6	+7.8	-11.1	-12.1	+7.0	+6.1	Hewitt.....	1061
[+17.6]	[+19.2]	+10.2	+7.9	+9.6	+10.2	+6.7	+7.3	+5.8	[+22.8]	[+25.3]	+7.8	+7.4	C. Frodsham.....	2081*
+2.0	+1.9	-0.3	+4.4	+6.7	+8.2	+11.6	+10.9	+12.7	+13.2	+13.6	+14.4	+16.4	Norris and Campbell...	586
+1.5	-0.6	-3.6	-2.9	+1.2	+1.5	-0.9	-1.5	-2.2	-4.9	-3.2	+1.8	-1.2	M'Gregor.....	1600
[+8.0]	[+13.7]	+6.2	+2.9	+7.2	+7.7	+4.7	+5.8	+5.0	[+9.5]	[+11.2]	+7.1	+1.6	W. Shepherd.....	222*
-2.6	-6.2	-2.5	+8.1	+9.4	+9.2	+12.7	+12.9	+15.4	-1.1	-6.4	+3.4	+7.7	C. Frodsham.....	1516
-4.1	-13.4	+10.0	+13.2	+10.0	+10.7	+13.2	+13.2	+15.1	-6.1	-8.5	+10.1	+10.7	Hewitt.....	1044
-9.5	-8.3	+17.5	+13.0	+9.3	+9.4	+8.6	+12.5	+13.5	-6.0	-6.9	+17.9	+18.4	Parkinson and Frodsham	2593
+15.4	+13.3	+6.7	+8.7	+13.0	+13.7	+18.2	+18.9	+19.9	+17.7	+16.8	+20.5	+22.5	M'Clellan.....	137
+11.8	+9.4	+30.2	+25.1	+18.1	+19.7	+21.0	+23.2	+25.3	+13.9	+9.0	+17.6	+18.3	Shepherd.....	1530
-34.3	-32.7	-17.1	-16.5	-18.0	-16.9	-12.9	-11.1	-8.3	-26.7	-25.0	-4.5	-4.2	Muirhead.....	450
-15.0	-17.0	+14.3	+9.4	-5.1	-5.6	-2.2	-1.1	+0.7	-28.8	-31.4	-7.1	-10.1	Cummins.....	1256
-1480.1	-1636.1	+743.0	+507.8	-426.0	-458.3	-173.8	-105.5	+58.6	-1705.3	-1755.8	-288.5	-300.3		
71° to 87°	73° to 86°	46° to 58°	47° to 65°	63° to 71°	58° to 73°	56° to 69°	57° to 68°	56° to 63°	77° to 87°	76° to 87°	60° to 64°	57° to 77°		
79° to 110°	82° to 108°								82° to 105°	82° to 107°				

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

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			Jan. 22—29	Jan. 15—22	Jan. 29— Feb. 5	March 11—18	Feb. 19—26	March 4—11	Feb. 26— Mar. 4	Feb. 12—19	March 18—25	Feb. 5—12	April 22—29	April 29— May 6
Loseby	115	2	+21.2	....	+19.9	+22.3	+21.1	+20.1	+21.7	+19.7	+22.0	+18.8	+26.8	+27.4
E. J. Massey	129	2	-17.4	....	-15.9	-27.2	-20.9	-26.9	-23.3	-20.4	-26.7	-14.4	-29.2	-28.9
Loseby	118	2	+8.6	....	+11.7	+12.8	+13.0	+11.9	+12.3	+12.2	+11.2	+12.4	+21.9	+19.5
Webb	5538	2	-18.9	....	-18.4	-7.9	-10.1	-9.7	-7.9	-11.2	-8.1	-10.1	-12.3	-13.5
Hewitt	1117*	2	....	....	(+13.0)	+11.3	+11.3	+9.3	+10.0	(+9.4)	+9.9	(+10.6)	+2.9	+2.1
E. J. Massey	132*	2	(+12.6)	....	(+14.6)	+7.1	+11.1	+10.2	+8.0	(+9.6)	+7.4	(+8.6)	-1.3	0.0
Webb	5128	2	....	....	....	-8.4	-6.0	-12.7	-10.8	-14.9	-6.3	-11.4	-3.9	+0.6
Dent	2035	2	-1.4	-1.7	-4.6	-8.9	-10.5	-8.8	-9.1	-8.9	-10.7	-9.4	-0.3	+2.5
W. Shepherd	228*	2	....	....	....	-8.0	....	....	....	....	-8.3	....	-2.3	-1.0
Fletcher	1164	2	-18.5	....	-11.5	-18.1	-15.0	-21.3	-16.5	-14.0	-15.8	-8.8	-5.7	-4.3
Birchall	361	2	+1.8	....	-8.9	-6.8	-5.6	-7.0	-5.2	-4.6	-5.2	-2.8	+2.3	+3.9
E. J. Massey	130	2	-14.9	....	-9.6	-3.8	-5.0	-4.6	-4.0	-1.8	-3.2	-1.9	+2.9	-0.5
Eiffe	442*	8	....	....	....	+17.3	+13.2	+16.2	+15.6	(+11.4)	....	(+10.2)	+44.3	+35.0
Reid and Sons	1083	2	-20.8	....	-11.5	-9.2	-7.5	-8.9	-7.7	-8.8	-7.5	-7.2	-2.7	-1.1
Parkinson and Frodsham ..	2661	2	....	....	-4.8	+0.3	-1.1	-2.8	+0.2	+1.5	-0.2	+4.2	+1.9	+2.4
Dixon	306	2	-3.2	....	-5.1	-3.6	-5.5	-3.3	-4.8	-5.4	-1.8	-4.6	+1.8	+3.1
Eiffe	280	1	....	....	....	-22.6	-14.7	-21.7	-18.6	-18.4	-27.4	-20.5	-18.3	-16.1
Lister and Sons	505	2	....	....	-13.4	-14.0	-13.4	-14.9	-12.9	-15.1	-13.8	-12.4	-2.3	-1.9
Appleton	532	2	-12.1	....	-6.1	-3.0	-7.3	-5.8	-6.4	-7.3	0.0	-5.2	+8.1	+10.6
Hart and Son	432	2	-42.8	....	-39.6	-37.6	-28.0	-35.3	-33.4	-27.3	-35.3	-28.0	-22.8	-24.1
Poole	1256*	2	....	....	(-14.6)	-14.2	-13.4	-15.2	-13.4	(-16.0)	-14.2	(-13.9)	+7.5	+6.9
Dent	2100	2	-18.7	-13.2	-16.2	-11.3	-11.2	-13.9	-12.5	-14.7	-10.7	-13.5	+0.3	+0.5
Poole	1313	2	....	....	-0.8	+0.8	+2.6	+0.7	+2.6	+0.5	+1.6	+4.2	+15.4	+17.8
Fletcher	1159	2	....	....	-22.3	-19.9	-20.5	-21.0	-15.8	-18.3	-15.8	-13.4	-7.3	-3.6
Poole	1320	2	-20.8	....	-17.3	-14.8	-14.1	-16.8	-15.9	-13.7	-16.5	-11.3	-9.3	-9.8
Birchall	378	2	-32.8	....	-24.7	-21.6	-19.9	-22.9	-20.3	-19.5	-19.2	-16.4	-11.4	-6.9
Hutton	158*	2	....	....	....	+2.1	-3.3	-2.1	-2.2	(-6.9)	+2.9	....	+18.5	+16.0
H. Parkinson	638	2	-16.2	....	-9.0	-1.2	-2.1	-2.6	-0.6	(-3.7)	-0.8	-2.1	-15.4	-10.3
Lister and Sons	506	2	-21.4	....	-17.6	-19.1	-17.2	-20.5	-16.9	-17.0	-18.6	-10.0	-1.2	+2.0
Muston	863	2	-29.7	....	-20.8	-13.2	-14.0	-15.1	-11.9	-16.4	-7.9	-14.8	-10.8	-11.4
Clark and Son	1233	2	-31.3	....	-25.5	-23.2	-23.2	-24.8	-23.8	-22.2	-21.6	-18.1	-1.3	+1.0
W. Shepherd	230*	2	....	....	....	-3.7	....	....	....	....	-5.2	....	-15.1	-14.0
Poole	1244*	2	(-14.0)	....	(-12.2)	+2.3	-0.2	+0.4	+0.3	(-3.4)	+0.2	(-10.9)	+14.0	+15.2
Baker	1131	2	-36.7	....	-28.7	-19.3	-18.4	-19.3	-15.8	-19.0	-16.7	-16.4	-16.8	-17.4
Appleton	531	2	-0.6	....	+10.1	+17.1	+16.6	+16.8	+17.8	+15.0	+20.5	+17.5	+29.4	+31.1
Reid and Sons	1080	2	-21.8	....	-15.2	-23.6	-16.5	-20.8	-17.8	-16.3	-23.6	-12.0	-25.3	-23.4
Hewitt	1061	2	-15.6	....	-5.5	+2.8	+2.7	+1.8	+1.9	+1.2	+2.2	+1.1	+4.0	+2.6
C. Frodsham	2081*	2	....	....	(-3.3)	-1.9	-4.0	-3.8	-3.8	(-5.0)	-4.0	(-4.3)	+10.2	+7.9
Norris and Campbell	586	2	-17.9	....	-24.2	-20.3	-20.6	-19.9	-18.1	-21.2	-15.6	-18.0	-0.3	+4.4
M'Gregor	1600	2	-31.9	....	-25.8	-27.2	-25.6	-27.7	-25.3	-25.9	-24.4	-20.4	-3.6	-2.9
W. Shepherd	222*	2	....	....	....	-18.6	....	....	....	....	-23.6	....	+6.2	+2.9
C. Frodsham	1516	2	+4.2	....	+14.9	+20.4	+20.0	+18.6	+19.6	+16.1	+21.3	+18.1	-2.5	+8.1
Hewitt	1044	2	+19.1	....	+19.6	+13.8	+16.2	+14.1	+14.1	+15.1	+12.4	+15.4	+10.0	+13.2
Parkinson and Frodsham ..	2593	2	....	....	+21.4	+15.4	+13.7	+14.1	+11.1	+12.8	+12.4	+12.6	+17.5	+13.0
M'Clellan	137	8	-31.3	....	-15.2	-10.8	-7.5	-10.6	-6.4	-6.8	-4.3	-2.9	+6.7	+8.7
Shepherd	1530	2	+63.0	....	+45.8	+40.3	+37.7	+38.7	+32.6	+32.5	+33.5	+29.0	+30.2	+25.1
Muirhead	450	2	-30.5	....	-26.3	-26.5	-25.9	-27.0	-24.9	-25.9	-27.6	-23.9	-17.1	-16.5
Cummins	1256	2	+27.2	....	+24.8	+20.3	+20.1	+19.6	+17.2	+16.5	+16.8	+16.7	+14.3	+9.4
Chronometrical Therm. ....	....	..	+2374.5	+2056.4	+1825.8	+1530.7	+1401.4	+1395.7	+1341.3	+1314.6	+1212.4	+1169.1	+743.0	+507.8
Range of Thermometer in Chronometer Room. ...	}	..	28° to 34°	32° to 42°	32° to 48°	40° to 46°	38° to 50°	38° to 47°	42° to 49°	37° to 50°	41° to 51°	43° to 51°	46° to 58°	47° to 65°
Range of Thermometer in open air, or in heated Iron Tray, for the Chronometers marked with an Asterisk.	}	..	18° to 40°	....	30° to 52°	....	....	....	....	30° to 53°	....	36° to 53°	....	....

* 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 rates given by the first week's trial is in every case omitted.

IN THE ORDER OF TEMPERATURE,
CHRONOMETRICAL THERMOMETER.

													OF	Number.
June 3-10	May 27- June 3	May 20-27	June 24- July 1	July 1-8	May 6-13	May 13-20	April 8-15	Mar. 25- April 1	April 15-22	April 1-8	June 10-17	June 17-24	MAKER.	
+27.5 -19.1 +19.5 -7.3 +3.0 +2.1 -3.2 +2.5 +8.0 +1.4 +7.1 +7.2 +32.2 +0.9 +9.0 +5.1 -15.3 +6.1 +15.4 -21.7 +10.0 +6.6 +23.4 +3.7 -6.6 -3.4 +22.5 -0.5 +1.9 -0.7 +5.5 -2.5 +18.8 -6.1 +36.1 -19.4 +7.8 +5.8 +12.7 -2.2 +5.0 +15.4 +15.1 +13.5 +19.9 +25.3 -8.3 +0.7	+24.4 -21.4 +18.2 -9.6 +8.9 +1.4 -3.4 +2.3 +6.9 -2.4 +7.9 +4.5 +32.3 0.0 +7.5 +3.1 -17.7 +7.4 +14.0 -23.1 +9.0 +5.5 +22.9 +4.1 -5.5 -5.1 +22.0 -2.3 +2.9 -3.6 +2.3 -4.0 +18.4 -6.1 +33.4 -19.2 +4.6 +7.3 +10.9 -1.5 +5.8 +12.9 +13.2 +12.5 +18.9 +23.2 -11.1 -1.1	+25.2 -22.4 +17.8 -12.6 +6.2 +1.1 -0.8 +3.3 +4.6 -1.5 +6.6 +6.1 +32.4 -0.9 +11.6 +2.9 -17.0 +10.1 +13.6 -24.6 +8.6 +5.3 +22.8 +3.1 -5.4 -5.5 +20.1 -3.0 +4.3 -9.9 +3.7 -6.2 +16.3 -8.7 +32.7 -19.4 +3.1 +6.7 +11.6 -0.9 +4.7 +12.7 +13.2 +8.6 +18.2 +21.0 -12.9 -2.2	+26.7 -23.6 +19.6 -9.9 +7.1 -0.1 -9.1 +8.5 +7.4 +2.4 +9.0 +3.1 +41.2 +1.1 +13.0 +7.1 -15.9 +12.4 +16.0 -23.8 +12.4 +11.0 +23.3 +5.3 -4.1 -3.2 +24.0 -5.4 +21.9 -3.0 +5.0 +2.5 +5.8 -4.8 +19.0 -5.0 +35.1 -17.0 +7.0 +7.8 +14.4 +1.8 +1.6 +7.7 +10.7 +18.4 +22.5 +18.3 -4.5 -7.1	+27.2 -23.6 +18.7 -11.4 +8.6 +0.9 -7.9 +5.9 +7.4 +3.2 +8.4 +2.4 +37.9 +2.3 +11.0 +5.9 -15.7 +10.8 +14.8 -22.6 +9.1 +23.0 +5.1 -5.4 -3.4 +21.9 -3.0 +5.0 +4.5 +4.9 -3.3 +17.9 -4.4 +30.3 -19.7 -20.0 +1.4 +9.6 +6.7 +1.2 +1.6 +9.4 +10.7 +9.3 +13.0 +18.1 -4.2 -10.1	+23.5 -25.5 +17.8 -19.3 +9.4 +0.6 -0.5 +4.3 +3.0 -3.2 +7.0 +0.2 +35.6 -3.6 +14.0 +1.9 -19.0 +6.0 +11.6 -30.5 +10.0 +4.5 +18.6 +3.2 -2.6 -6.4 +23.0 -5.6 +4.2 -9.5 +2.7 -6.1 +17.5 -11.5 +30.5 -19.7 +0.6 +10.2 +8.2 +1.5 +7.7 +9.2 +10.7 +9.4 +13.7 +11.8 -16.9 -5.1	+24.2 -23.8 +18.0 -15.8 +9.4 +1.7 -0.9 +4.5 +5.7 -2.3 +7.3 +1.5 +33.3 -1.6 +13.8 +1.8 -17.0 +8.7 +11.7 -28.0 +10.8 +5.5 +18.6 +3.2 -4.3 -11.4 -15.3 +9.6 -17.7 +1.3 -3.6 -3.3 -22.7 +12.8 -8.4 +24.4 -32.2 -38.2 -15.7 +17.6 +2.0 +1.5 -8.0 -4.1 -12.5 +1.2 +13.2 +9.5 +15.4 +13.7 +6.3 -58.8 -26.6	+18.9 -23.4 +8.1 +15.3 +1.3 +1.3 -11.3 -4.6 -12.9 -3.1 -1.8 +4.5 -7.7 -12.1 -4.9 -0.2 +5.6 -0.7 -14.3 -9.9 +2.1 +8.7 -5.9 -10.0 -20.3 +1.2 +18.3 +7.4 -18.7 -0.7 -5.2 -4.3 -22.1 +11.1 -4.8 +19.0 -38.2 -31.1 -11.3 +19.2 +1.9 -11.1 -0.6 -5.2 +13.7 +9.5 -6.2 -13.4 -8.3 +13.3 +9.4 -32.7 -17.0	+24.7 -24.2 +15.3 -16.6 +5.3 +5.3 -4.6 -8.5 -6.8 -3.1 +4.5 +3.4 -1.6 -12.1 -7.6 -0.9 -0.7 -1.1 -9.7 +1.8 +7.8 +4.6 -6.5 -24.4 -12.0 -22.7 +7.4 -22.3 -3.5 -7.6 -11.8 -21.6 +9.3 -11.4 +23.6 -42.0 -19.2 +13.2 +13.2 -5.2 +9.5 -4.4 -6.1 -10.0 +14.2 +6.5 -48.7 -27.4	+20.7 -22.4 +11.4 -17.1 +1.6 +11.2 +6.9 +7.5 -12.5 +4.4 +12.5 +14.0 -4.0 -3.5 +2.3 -0.3 -3.0 +43.9 +46.3 -1.6 -2.1 +7.9 -4.1 -17.8 +4.6 +8.3 -24.7 +2.4 +7.8 +12.6 +1.2 -12.0 -12.5 +16.9 -11.1 +1.4 -5.7 -3.1 -15.6 +16.8 -9.2 +26.9 -27.2 -23.5 -12.1 +25.3 +13.6 -4.9 +9.5 -6.1 -8.5 +17.7 +9.0 -25.0 -31.4	+24.0 -23.0 +18.2 -12.1 +9.0 +7.5 -12.5 +6.5 +14.0 -4.0 -3.5 +2.6 -3.0 +46.3 +46.3 -2.1 -8.4 +8.4 -4.6 -17.8 +4.6 +8.2 -25.2 +4.0 +7.5 +12.6 +0.5 -12.0 -12.5 +18.0 -12.5 +1.1 -1.1 +5.6 -0.5 +26.9 -23.5 -12.1 +25.3 +13.6 -4.9 +9.5 -6.1 -8.5 +17.7 +9.0 -25.0 -31.4	+25.0 -23.0 +18.2 -12.1 +9.0 +7.5 -12.5 +6.5 +14.0 -4.0 -3.5 +2.6 -3.0 +46.3 +46.3 -2.1 -8.4 +8.4 -4.6 -17.8 +4.6 +8.2 -25.2 +4.0 +7.5 +12.6 +0.5 -12.0 -12.5 +18.0 -12.5 +1.1 -1.1 +5.6 -0.5 +26.9 -23.5 -12.1 +25.3 +13.6 -4.9 +9.5 -6.1 -8.5 +17.7 +9.0 -25.0 -31.4	Loseby..... E. J. Massey Loseby..... Webb..... Hewitt..... E. J. Massey Webb..... Dent..... W. Shepherd..... Fletcher..... Birchall..... E. J. Massey Eiffe..... Reid and Sons..... Parkinson and Frodsham Dixon..... Eiffe..... Lister and Sons..... Appleton..... Hart and Son..... Poole..... Dent..... Poole..... Fletcher..... Poole..... Birchall..... Hutton..... H. Parkinson..... Lister and Sons..... Muston..... Clark and Son..... W. Shepherd..... Poole..... Baker..... Appleton..... Reid and Sons..... Hewitt..... C. Frodsham..... Norris and Campbell... M ^c Gregor..... W. Shepherd..... C. Frodsham..... Hewitt..... Parkinson and Frodsham M ^c Clellan..... Shepherd..... Muirhead..... Cummins.....	115 129 112 5538 1117* 132* 5122 2035 228* 1164 361 130 442* 1083 2661 306 280 505 532 432 1256* 2100 1313 1159 1320 378 158* 638 506 863 1233 230* 1244* 1131 531 1080 1061 2081* 586 1600 222* 1516 1044 2593 137 1530 450 1256	
+58.6	-105.5	-173.8	-288.5	-300.3	-426.0	-458.3	-1480.1	-1499.4	-1636.1	-1675.2	-1705.3	-1755.8		
56° to 63°	57° to 68°	56° to 69°	60° to 64°	57° to 77°	63° to 71°	58° to 73°	71° to 87°	74° to 85°	73° to 86°	73° to 89°	77° to 87°	76° to 87°		
....	....	....	....	....	....	....	79° to 110°	80° to 110°	82° to 108°	85° to 110°	82° to 105°	82° to 107°		

* 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.	(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.
Loseby	115	2	January 22	July 8	24	+ 18.8	February 5 to 12
E. J. Massey	129	2	January 22	July 8	24	- 29.2	April 22 to 29
Loseby	118	2	January 22	July 8	24	+ 8.1	March 25 to April 1 †
Webb	5538	2	January 22	July 8	24	- 19.3	May 6 to 13
Hewitt	1117*	2	January 29	July 8	23	[+ 1.3]	March 25 to April 1 †
E. J. Massey	132*	2	January 22	July 8	24	- 1.3	April 22 to 29
Webb	5128	2	February 5	July 8	22	- 14.9	February 12 to 19
Dent	2035	2	January 15	July 8	25	- 12.9	March 25 to April 1 †
W. Shepherd	228*	2	March 11	July 8	17	- 8.3	March 18 to 25
Fletcher	1164	2	January 22	July 8	24	- 21.3	March 4 to 11
Birchall	361	2	January 22	July 8	24	- 8.9	January 29 to February 5
E. J. Massey	130	2	January 22	July 8	24	- 14.9	January 22 to 29
Eiffe	442*	8	February 5	July 8	22	{ + 10.2 } { + 32.2 }	{ February 5 to 12 } { June 3 to 10 }
Reid and Sons	1083	2	January 22	July 8	24	- 20.8	June 22 to 29
Parkinson and Frodsham	2661	2	January 29	July 8	23	- 4.8	January 29 to February 5
Dixon	306	2	January 22	July 8	24	- 11.9	April 1 to 8 †
Eiffe	280	1	February 5	July 8	22	- 37.5	March 25 to April 1 †
Lister and Sons	505	2	January 29	July 8	23	- 15.1	February 12 to 19
Appleton	532	2	January 22	July 8	24	- 12.1	January 22 to 29
Hart and Son	432	2	January 22	July 8	24	- 42.8	January 22 to 29
Poole	1256*	2	January 29	July 8	23	(- 16.0)	February 12 to 19
Dent	2100	2	January 15	July 8	25	- 18.7	January 22 to 29
Poole	1313	2	January 29	July 8	23	- 0.8	January 29 to February 5
Fletcher	1159	2	January 29	July 8	23	- 22.3	January 29 to February 5
Poole	1320	2	January 22	July 8	24	- 24.4	April 1 to 8 †
Birchall	378	2	January 22	July 8	24	- 32.8	January 22 to 29
Hutton	158*	2	February 12	July 8	21	(- 6.9)	February 12 to 19
H. Parkinson	638	2	January 22	July 8	24	- 22.3	April 1 to 8 †
Lister and Sons	506	2	January 22	July 8	24	- 21.4	January 22 to 29
Muston	863	2	January 22	July 8	24	- 29.7	January 22 to 29
Clark and Son	1233	2	January 22	July 8	24	- 31.3	January 22 to 29
W. Shepherd	230*	2	March 11	July 8	17	[- 22.7]	April 8 to 15 †
Poole	1244*	2	January 22	July 8	24	(- 14.0)	January 22 to 29
Baker	1131	2	January 22	July 8	24	- 36.7	January 22 to 29
Appleton	531	2	January 22	July 8	24	- 0.6	January 22 to 29
Reid and Sons	1080	2	January 22	July 8	24	- 42.0	April 1 to 8 †
Hewitt	1061	2	January 22	July 8	24	- 19.2	April 1 to 8 †
C. Frodsham	2081*	2	January 29	July 8	23	(- 5.0)	February 12 to 19
Norris and Campbell	586	2	January 22	July 8	24	- 24.2	January 29 to February 5
M'Gregor	1600	2	January 22	July 8	24	- 31.9	January 22 to 29
C. Frodsham	1516	2	January 22	July 8	24	- 6.4	June 17 to 24 †
W. Shepherd	222*	2	March 11	July 8	17	- 23.6	March 18 to 25
Hewitt	1044	2	January 22	July 8	24	- 13.4	April 15 to 22 †
Parkinson and Frodsham	2593	2	January 29	July 8	23	- 10.0	April 1 to 8 †
M'Clellan	137	8	January 22	July 8	24	- 31.3	January 22 to 29
Shepherd	1530	2	January 22	July 8	24	+ 6.3	March 25 to April 1 †
Muirhead	450	2	January 22	July 8	24	- 58.8	March 25 to April 1 †
Cummins	1256	2	January 22	July 8	24	- 31.4	June 17 to 24 †

* 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.

CHANGES OF RATE.

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 MAKER.	Number.
+ 27.5	June 3 to 10	8.7	4.6	April 8	Loseby.....	115
- 14.4	February 5 to 12	14.8	6.0	February 12	E. J. Massey.....	129
+ 21.9	April 22 to 29	13.8	6.6	April 22	Loseby.....	118
- 7.3	June 3 to 10	12.0	8.3	February 5	Webb.....	5532
(+ 13.0)	January 29 to February 5	11.7	8.6	March 25	Hewitt.....	1117*
(+ 14.6)	January 29 to February 5	15.9	7.8	April 22	E. J. Massey.....	132*
+ 0.6	April 29 to May 6	15.5	8.9	February 19	Webb.....	5122
+ 8.5	June 24 to July 1	21.4	6.1	April 1	Dent.....	2035
[+ 14.0]	June 17 to 24	22.3	6.8	April 22	W. Shepherd.....	228*
+ 3.2	July 1 to 8	24.5	7.0	January 29	Fletcher.....	1164
+ 9.0	June 24 to July 1	17.9	10.7	January 29	Birchall.....	361
+ 7.2	June 3 to 10	22.1	8.2	March 25	E. J. Massey.....	130
{ + 17.3 }	{ March 11 to 18 }	{ 7.1 }	{ 2.4 }	{ February 26 }	Eiffe.....	442*
[+ 48.6]	{ April 15 to 22† }	{ 16.4 }	{ 11.7 }	{ June 10 }	Reid and Sons.....	1023
+ 2.3	July 1 to 8	23.1	9.3	January 29	Parkinson and Frodsham.....	2661
+ 14.0	May 6 to 13	18.8	11.6	May 6	Dixon.....	306
+ 7.1	June 24 to July 1	19.0	11.7	June 24	Eiffe.....	280
- 14.7	February 19 to 26	22.8	10.1	March 25	Lister and Sons.....	505
+ 12.4	June 24 to July 1	27.5	7.9	May 6	Appleton.....	532
+ 16.0	June 24 to July 1	28.1	7.8	June 24	Hart and Son.....	432
- 21.7	June 3 to 10	21.1	11.6	February 5	Poole.....	1256*
+ 12.4	June 24 to July 1	28.4	8.6	April 22	Dent.....	2100
+ 11.0	June 24 to July 1	29.7	8.0	April 1	Poole.....	1313
+ 23.4	June 3 to 10	24.2	11.4	June 10	Fletcher.....	1159
+ 5.3	June 24 to July 1	27.6	9.9	March 25	Poole.....	1320
- 2.6	May 6 to 13	21.8	13.0	April 8	Birchall.....	378
- 3.2	June 24 to July 1	29.6	9.3	June 24	Hutton.....	152*
+ 24.0	June 24 to July 1	30.9	8.7	April 15	H. Parkinson.....	632
- 0.5	June 3 to 10	21.8	14.6	March 25	Lister and Sons.....	506
+ 5.0	{ May 6 to 13 }	26.4	12.6	March 25	Muston.....	863
+ 4.5	{ July 1 to 8 }	34.2	8.9	January 29	Clark and Son.....	1233
+ 5.8	July 1 to 8	37.1	8.6	June 10	W. Shepherd.....	230*
- 2.5	June 24 to July 1	20.2	17.2	March 25	Poole.....	1244*
+ 19.0	June 3 to 10	33.0	10.9	March 25	Baker.....	1131
- 4.4	July 1 to 8	32.3	12.3	February 5	Appleton.....	531
+ 36.1	June 3 to 10	36.7	10.7	January 29	Reid and Sons.....	1080
- 12.0	February 5 to 12	30.0	14.6	March 25	Hewitt.....	1061
+ 7.8	June 3 to 10	27.0	19.1	June 24	C. Frodsham.....	2941*
[+ 25.3]	June 17 to 24†	30.3	17.5	June 24	Norris and Campbell.....	5.6
+ 16.4	July 1 to 8	40.6	13.1	April 8	M'Gregor.....	1600
+ 1.8	June 24 to July 1	33.7	16.9	March 25	C. Frodsham.....	1516
+ 21.3	March 18 to 25	27.7	25.0	March 25	W. Shepherd.....	222*
[+ 13.7]	April 15 to 22†	37.3	21.7	April 15	Hewitt.....	1044
+ 19.6	January 29 to February 5	33.0	24.9	March 25	Parkinson and Prodsham.....	2593
+ 21.4	January 29 to February 5	31.4	25.8	April 22	M'Clellan.....	137
+ 22.5	July 1 to 8	53.8	17.5	March 25	Shepherd.....	1530
+ 63.0	January 22 to 29	56.7	27.2	March 25	Muirhead.....	450
- 4.2	July 1 to 8	54.6	31.2	March 25	Cummins.....	1256
+ 27.2	January 22 to 29	58.6	43.4	March 25		

* 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.

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.	Number of Weeks.	Least Weekly Sum.	In what Week.
E. J. Massey.....	132	2	February 19	July 8	14	— 1 ⁸ ·3	April 22 to 29
C. Frodsham.....	2081	2	February 19	July 8	14	— 4·0	February 19 to 26
W. Shepherd.....	230	2	March 11	July 8	11	— 15·1	April 22 to 29
Hewitt.....	1117	2	February 19	July 8	14	+ 2·1	March 18 to 25
W. Shepherd.....	228	2	March 11	July 8	11	— 8·3	March 18 to 25
Eiffe.....	442	8	{ February 19 April 22 }	{ March 18 July 8 }	{ 4 9 }	{ + 13·2 + 32·2 }	{ February 19 to 26 June 3 to 10 }
Poole.....	1256	2	February 19	July 8	14	— 15·2	March 4 to 11
Hutton.....	158	2	February 19	July 8	14	— 3·3	February 19 to 26
Poole.....	1244	2	February 19	July 8	20	— 0·2	February 19 to 26
W. Shepherd.....	222	2	March 11	July 8	11	— 23·6	March 18 to 15

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.		
+ 11 ^s ·1	February 19 to 26	12 ^s ·4	3 ^s ·1	March 11	E. J. Massey.....	132
+ 10 ^s ·2	{ April 22 to 29 } May 13 to 20 }	14 ^s ·2	3 ^s ·5	May 20	C. Frodsham.....	2081
- 2 ^s ·5	June 3 to 10	12 ^s ·6	5 ^s ·5	May 6	W. Shepherd.....	230
+ 11 ^s ·3	{ February 19 to 26 } March 11 to 18 }	9 ^s ·2	7 ^s ·3	May 6	Hewitt.....	1117
+ 8 ^s ·4	June 24 to July 1	16 ^s ·7	4 ^s ·0	May 6	W. Shepherd.....	228
{ + 17 ^s ·3 } { + 44 ^s ·3 }	{ March 11 to 18 } { April 22 to 29 }	{ 4 ^s ·1 } { 12 ^s ·1 }	{ 2 ^s ·4 } { 9 ^s ·3 }	{ February 26 } { April 29 }	Eiffe.....	442
+ 12 ^s ·4	June 24 to July 1	27 ^s ·6	3 ^s ·3	July 1	Poole.....	1256
+ 24 ^s ·0	June 24 to July 1	27 ^s ·3	4 ^s ·2	March 11	Hutton.....	158
+ 19 ^s ·0	June 24 to July 1	19 ^s ·2	10 ^s ·9	March 25	Poole.....	1244
+ 7 ^s ·7	May 13 to 20	31 ^s ·3	5 ^s ·5	July 1	W. Shepherd.....	222

The following typographical error has been found in the " Rates of Chronometers on Trial " 1847 :
Page 4, Hutton 149, March 27 to April 3, *for* - 8^s·8 *read* + 8^s·8