

RATES OF DECK WATCHES

ON TRIAL

FOR PURCHASE BY THE BOARD OF ADMIRALTY,

AT THE

ROYAL OBSERVATORY, GREENWICH.

FROM 1899 OCTOBER 21 TO 1900 FEBRUARY 10.

(1) WEEKLY RATES IN ORDER OF TIME.

NAME OF MAKER.	No.	Oct.	Oct. 28	Nov.	Nov.	Nov.	Nov. 25	Dec.	Dec.	Dec.	Dec.	Dec.	Dec.
		to Nov. 4.	to Nov. 4.	4—11.	11—18.	18—25.	to Dec. 2.	2—9.	9—13.	13—18.	18—23.	23—30.	30—31.
Watch Horizontal. Dial up.													
Watch Vertical. Dial up.													
Watch Vertical. Dial up.													
Watch Vertical. Dial up.													
Watch Vertical. Dial up.													
Barnister and Son	1718	+ 1.8	+ 1.7	+ 2.5	+ 5.0	+ 4.4	+ 1.5	+ 1.0	+ 7.9	+ 39.0	+ 30.8	+ 10.9	+ 0.2
Barnister and Son	1719	+ 0.6	+ 5.9	+ 4.4	+ 5.5	+ 4.1	+ 1.5	+ 1.0	+ 7.9	+ 39.0	+ 30.8	+ 10.9	+ 0.2
Hall	1712	+ 19.4	+ 18.9	+ 18.1	+ 21.0	+ 21.8	+ 22.1	+ 20.1	+ 4.9	+ 6.1	+ 8.4	+ 2.1	+ 5.3
T. and A. Gage, Ltd.	16792	+ 1.1	+ 4.9	+ 8.2	+ 18.0	+ 17.4	+ 20.5	+ 3.6	+ 7.9	+ 2.8	+ 22.6	+ 2.1	+ 12.7
Thornloe	1086	+ 16.6	+ 14.2	+ 12.9	+ 13.8	+ 13.1	+ 10.2	+ 6.7	+ 28.5	+ 21.5	+ 2.1	+ 20.0	+ 19.0
									+ 1.2	+ 1.6	+ 2.6	+ 4.9	+ 0.7
Mathews	37463	+ 1.5	+ 2.5	+ 0.2	+ 0.8	+ 0.8	+ 0.3	+ 2.5	+ 3.8	+ 6.8	+ 0.5	+ 1.2	+ 10.8
Thornloe	1086	+ 69.8	+ 56.4	+ 62.3	+ 56.6	+ 52.6	+ 62.6	+ 52.6	+ 3.8	+ 6.8	+ 0.5	+ 1.2	+ 10.8
T. and A. Gage, Ltd.	16941	+ 1.1	+ 2.8	+ 4.1	+ 2.7	+ 1.7	+ 3.0	+ 4.6	+ 8.9	+ 2.6	+ 11.7	+ 58.8	+ 58.8
Mackay and Chisholm	50166	+ 17.3	+ 10.6	+ 31.3	+ 18.0	+ 17.4	+ 19.1	+ 3.6	+ 8.9	+ 1.6	+ 1.6	+ 1.2	+ 11.6
G. Carley and Co.	50278	+ 1.3	+ 11.2	+ 13.4	+ 13.3	+ 9.9	+ 7.5	+ 11.2	+ 2.6	+ 1.2	+ 7.9	+ 1.2	+ 28.7
									+ 9.8	+ 10.5		+ 10.7	+ 17.4
R. Smith	802	+ 1.4	+ 0.3	+ 1.5	+ 12.1	+ 16.4	+ 15.2	+ 10.0	+ 21.9	+ 17.0	+ 19.1	+ 18.4	+ 0.8
Gibbert and Son	37338	+ 14.4	+ 11.9	+ 18.6	+ 12.1	+ 16.4	+ 15.2	+ 10.0	+ 21.9	+ 17.0	+ 19.1	+ 18.4	+ 0.8
Hall	1720	+ 1.8	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.0	+ 1.0
Roberts	20389	+ 23.1	+ 21.3	+ 31.3	+ 5.6	+ 8.2	+ 3.8	+ 11.9	+ 0.7	+ 8.3	+ 0.9	+ 1.2	+ 20.2
Malley	35282	+ 19.4	+ 28.3	+ 31.3	+ 19.8	+ 17.4	+ 19.1	+ 3.6	+ 8.9	+ 1.6	+ 1.6	+ 1.2	+ 31.0
					+ 9.8	+ 8.6	+ 3.8	+ 26.6	+ 0.8	+ 1.4	+ 18.2	+ 8.4	+ 21.2
Hall	1715	+ 42.7	+ 46.2	+ 47.3	+ 43.2	+ 44.0	+ 41.4	+ 53.6	+ 49.9	+ 61.8	+ 11.0	+ 48.3	+ 69.9
G. Carley and Co.	50197	+ 12.6	+ 4.5	+ 3.0	+ 3.6	+ 4.8	+ 7.0	+ 8.0	+ 4.9	+ 9.8	+ 7.9	+ 9.8	+ 7.6
J. Player and Son	30222	+ 12.7	+ 11.0	+ 18.0	+ 18.0	+ 18.0	+ 18.0	+ 18.0	+ 18.0	+ 18.0	+ 18.0	+ 18.0	+ 18.0
Rich and Cole	28511	+ 2.0	+ 4.3	+ 3.7	+ 3.0	+ 2.0	+ 2.5	+ 16.0	+ 2.2	+ 1.9	+ 19.1	+ 11.5	+ 9.9
H. White	1424	+ 30.3	+ 36.7	+ 38.4	+ 27.6	+ 27.6	+ 13.9	+ 19.9	+ 23.1	+ 1.9	+ 9.8	+ 15.6	+ 32.9
Hill	149938	+ 1.9	+ 0.2	+ 9.4	+ 8.8	+ 7.4	+ 4.2	+ 18.8	+ 6.1	+ 4.7	+ 10.0	+ 7.2	+ 10.7
G. Carley and Co.	50197	+ 12.6	+ 4.5	+ 3.0	+ 3.6	+ 4.8	+ 7.0	+ 8.0	+ 4.9	+ 9.8	+ 7.9	+ 9.8	+ 7.6

* The Weekly Rates have been computed from the rates for three days. † The Weekly Rates have been computed from the rates for four days.

(2) ABSTRACT OF THE PRINCIPAL CHANGES OF RATES.

Dec. 30 to Jan. 6.	Jan. 6-13.	Jan. 13-20.	Jan. 20-27.	Jan. 27 to Feb. 3.	Feb. 3-10.	Difference between gradest and least Weekly Rains.	Greatest difference between one week and the next.	Difference of Weekly Rates.			Trial Number.	N A M E o f M A K E R.	No.
Watch Horizontal. Dial up.						Dial up. a.	Dial up. k.	Pendant light up. c.	Pendant light up. d.	Pendant left up. e.	$a + 2b + \frac{1}{2}(c + \frac{d+e}{2})$		
- 1.9	- 5.1	- 4.0	+ 0.1	- 4.1	- 6.3	6.5	4.2	+ 2.4	- 38.6	+ 31.2	27.7	Bannister and Son	1713
- 0.0	- 1.1	- 3.5	- 6.6	+ 1.9	- 3.9	11.8	8.4	- 3.3	- 4.2	- 10.3	38.2	Bannister and Son	1714
- 18.2	- 20.2	- 19.2	- 13.1	- 19.4	- 20.9	13.4	6.5	+ 14.6	+ 16.6	3.2	37.0	Hall	1712
+ 14.8	+ 12.6	+ 11.8	+ 17.8	+ 14.2	+ 10.9	17.9	9.0	+ 1.1	- 94.2	- 10.6	42.0	F. and A. Gysse, Ltd.	11672
+ 11.0	+ 15.3	- 13.4	- 13.9	- 11.2	- 14.1	16.8	12.2	+ 4.6	+ 1.4	+ 5.6	44.2	Thornes	1086
- 2.5	- 4.3	- 3.4	+ 8.2	+ 2.0	- 3.1	15.3	13.3	- 4.4	+ 0.1	- 7.2	45.3	Mathews	37485
- 5.1	- 10.1	- 10.5	- 10.7	- 10.7	- 10.7	18.9	11.1	+ 8.7	+ 1.4	- 10.3	47.1	Thornes	1080
- 1.1	+ 0.6	+ 1.2	+ 6.5	+ 8.9	+ 8.4	13.3	12.7	- 7.7	- 10.7	- 19.8	47.7	F. and A. Gysse, Ltd.	12945
- 20.0	- 24.8	- 22.0	- 24.9	- 28.3	- 27.2	16.0	9.6	+ 22.7	+ 23.8	+ 22.0	50.6	Thornes	10169
+ 9.6	+ 3.6	+ 2.4	+ 6.4	+ 6.9	+ 0.4	17.0	7.9	- 24.6	- 24.8	- 22.2	52.9	O. Carley and Co.	50275
- 4.8	- 7.3	- 8.7	- 8.6	- 7.1	- 5.7	16.1	10.7	+ 20.6	+ 22.4	+ 24.5	55.6	R. Smith	3700
+ 14.8	+ 13.1	+ 13.1	+ 13.1	+ 13.1	+ 13.1	21.8	12.0	- 15.8	- 9.7	- 16.7	56.2	Gilbert and Sons	3763
+ 8.6	+ 3.2	+ 5.1	+ 6.6	+ 4.2	+ 1.8	18.4	18.6	- 15.8	- 19.4	- 15.2	59.3	Hall	1728
- 16.0	- 16.0	- 10.5	- 17.8	- 17.0	- 16.9	16.8	10.8	- 1.6	- 0.7	- 1.6	62.6	Robertson and Co.	50169
- 32.8	- 27.4	- 38.5	- 35.6	- 40.7	- 39.7	22.3	11.6	+ 16.8	+ 22.5	+ 42.1	64.7	Mallory	1700
+ 42.5	+ 41.0	+ 41.8	+ 50.1	+ 47.1	+ 44.6	18.9	17.4	- 8.5	+ 5.0	- 45.9	66.5	Hall	1711
- 14.9	- 16.3	- 14.3	- 13.6	- 12.1	- 13.3	23.3	15.0	+ 15.7	+ 17.6	+ 15.7	66.8	O. Carley and Co.	50125
- 1.4	- 10.8	- 14.7	- 6.7	+ 9.0	- 5.8	27.9	18.7	- 9.3	+ 15.1	- 19.1	69.7	J. Player and Son	3422
- 13.6	- 10.6	- 12.6	- 23.9	- 27.0	- 26.3	24.3	16.8	- 15.8	- 15.0	- 15.4	70.2	Walker and Co.	10022
+ 28.5	+ 28.3	+ 23.3	+ 23.7	+ 27.1	+ 19.5	13.8	8.7	+ 46.3	- 23.3	- 73.8	70.5	H. White	50125
- 4.1	- 8.8	- 9.8	- 3.2	- 6.9	- 8.8	22.2	18.0	- 8.1	- 10.1	- 4.8	70.8	Hill	14903
- 17.8	- 18.5	- 16.2	- 13.1	- 15.0	- 16.8	19.9	18.7	- 10.5	- 21.4	- 15.6	70.8	Hall	17174
- 14.8	- 15.1	- 15.6	- 6.6	- 13.4	- 14.6	17.7	19.4	- 6.3	- 10.9	- 20.6	72.7	F. and A. Gysse, Ltd.	12945
- 23.0	- 26.4	- 31.8	- 22.9	- 29.2	- 35.1	29.0	17.3	- 9.3	- 11.1	- 10.6	71.9	Johannsen and Co.	6541
- 20.1	- 26.6	- 33.7	- 23.1	- 30.7	- 32.4	22.2	18.8	- 13.8	- 3.4	- 26.1	72.0	C. Frodsham & Co.	6840
- 0.9	- 3.5	- 5.7	- 5.4	+ 0.2	- 3.1	17.7	12.9	- 34.3	- 34.3	- 35.2	72.3	B. Smith	3701
+ 18.6	+ 14.8	+ 12.7	- 0.5	+ 6.0	+ 2.7	30.0	19.9	+ 14.7	+ 14.8	+ 20.2	73.5	G. Carter	1000
- 4.0	- 7.7	- 9.7	- 4.8	- 1.3	- 3.8	37.6	12.8	- 17.8			73.7	Mallory	3693
+ 9.7	+ 3.3	+ 4.7	+ 2.0	+ 8.8	+ 3.8	30.2	20.4	+ 3.5	- 6.2	- 6.0	74.8	Wright & Craghead	1032
- 9.8	- 6.4	- 4.2	- 1.1	- 4.0	- 2.0	24.5	10.0	+ 15.7	- 17.2	+ 9.9	74.9	D. Keys	8173
40.7	40.3	47.5	52.4	50.6	46.5								
The sign + indicates a gaining rate.													
The quantities a, k, c, d, e, q , in the formula $a + 2b + \frac{1}{2}(c + \frac{d+e}{2})$, are taken numerically, without regard to sign.													
47.8-51.6	48.0-51.0	48.5-50.8	47.8-55.7	46.7-54.6	46.0-50.6								

The sign + indicates a gaining rate

The quantities a, b, c, d, e , in the formula $a + 2b + \frac{1}{2}(c + \frac{d+e}{3})$, are taken numerically, without regard to sign.

Only those watches have been included in this list for which the trial number did not exceed 100.

(2) ABSTRACT OF THE PRINCIPAL CHANGES OF RATES.

Dec. 30 to Jan. 5.	Jan. 6-13.	Jan. 13-20.	Jan. 20-27.	Jan. 27 to Feb. 3.	Feb. 3-10.	Difference between greatest and least Weekly Rates.	Greatest difference between one week and the next.	Difference of Weekly Rates.			Trial Number.	NAME MAKER.		No.
			Watch Horizontal. Dial up.			Dial up. a.	Dial up. b.	Pendant —Dial up. c.	Pendant right —Dial up. d.	Pendant left —Dial up. e.	$a + 2b +$ $\frac{1}{2}(c + \frac{d+e}{2})$			
- 16-0 + 1-0 + 7-7 + 20-7 - 9-7	- 16-6 - 1-8 - 9-8 + 14-9 - 16-4	- 21-4 - 9-8 - 1-1 + 10-4 - 20-0	- 9-1 + 8-2 - 1-5 + 10-4 - 18-4	- 8-9 + 7-7 - 16-0 + 20-5 - 17-5	- 6-5 + 1-5 - 23-0 + 1-9 - 18-1	26-2 23-0 28-6 27-4 37-4	20-8 11-5 21-4 14-8 19-2	+ 10-2 - 44-7 16-4 - 16-7 - 2-5	- 14-0 - 11-2 - 7-0 + 35-5 - 3-8	- 1-8 + 33-4 - 1-1 + 41-6 0-0	75-5 76-8 76-2 77-3 77-7	P. and A. Guye, Ltd. Lindqvist J. Player and Son. J. Player and Son. Wales & M'Culloch	11671 20108 27188 36223	
- 8-2 + 32-9 - 27-0 + 52-5	- 15-5 + 36-7 - 17-9 + 4-9 + 50-0	- 16-4 + 37-7 - 22-4 + 6-8 + 42-0	- 7-1 + 36-0 - 24-4 + 6-8 + 61-1	- 15-6 + 35-8 - 14-6 - 10-3 + 52-3	- 21-1 + 35-3 - 20-8 - 19-9 + 37-5	38-6 33-9 38-6 17-9 45-4	18-5 19-7 21-4 - 30-9 14-8	+ 1-9 + 1-4 - 11-4 - 30-9 + 3-0	+ 1-5 - 20-2 + 5-7 - 47-6 + 4-1	+ 17-9 - 3-4 - 3-1 - 8-0 + 9-0	77-8 78-0 78-6 79-7 79-7	Burton E. White Ulmer and Co. Wright & Craghead J. Player and Son.	2129 1168 26314 36220	
+ 28-0 + 14-4 + 27-4 - 6-9	+ 26-9 + 11-7 + 29-4 - 12-8	+ 45-8 + 15-7 + 26-9 - 11-8	+ 34-7 + 18-1 + 35-9 - 12-8	+ 29-6 + 18-0 + 37-2 - 16-2	+ 25-9 + 17-6 + 4-5 - 21-3	26-0 23-8 38-6 36-0 31-6	18-9 19-0 19-3 - 6-9 20-5	- 11-3 + 31-4 - 23-1 - 21-9 + 10-4	+ 31-4 - 23-1 - 15-1 - 20-2 + 10-9	- 32-8 - 34-5 - 80-4 - 24-5 + 7-8	80-2 80-4 80-7 80-9	J. White and Sons. Gilbert and Sons. R. Smith and Co. Hillbrand Thorneloe	36267 37161 26315 16052	
- 26-1 - 17-4 - 20-0 + 1-1 - 9-5	- 22-5 - 14-4 - 22-1 - 12-8 16-4	- 39-2 - 13-5 - 21-1 - 28-8 - 21-7	- 28-6 - 9-8 - 19-7 + 107-1 - 8-9	- 34-9 - 2-6 - 18-1 + 110-8 + 5-4	- 39-7 - 11-1 - 22-4 - 28-6 + 5-1	45-6 22-4 28-6 43-7 48-4	12-6 - 22-4 19-3 - 3-9 14-3	- 10-5 + 8-9 - 4-5 + 2-2 + 5-7	- 16-4 - 24-6 - 15-1 - 2-3 - 6-8	- 12-7 - 54-7 - 80-7 - 82-5 + 12-3	81-0 82-4 80-7 82-5 83-1	Wright & Craghead Bannister and Son. Thorneloe G. Carley and Co. G. Carley and Co.	620 1717 6162 5077 5027	
+ 26-6 - 21-1 + 62-4 + 17-4 + 31-3	+ 23-0 - 27-9 + 57-5 - 27-8 + 42-9	+ 21-0 - 27-9 + 63-1 + 17-4 + 21-2	+ 23-0 - 43-2 + 60-1 - 11-3 + 38-2	+ 21-3 - 41-8 + 68-6 + 15-3 + 31-4	+ 14-4 - 33-6 - 36-7 - 19-4 + 25-1	32-5 43-0 45-6 12-7 39-0	16-4 - 16-9 - 15-2 - 6-7 21-7	- 21-1 - 16-8 - 15-3 + 5-8 - 5-8	- 26-7 - 4-4 - 12-1 + 5-8 + 8-1	- 23-4 - 10-1 - 12-3 - 10-2 + 19-5	84-3 84-9 80-7 89-1 89-9	Wales & M'Culloch Thorneloe G. Carley and Co. Hill Carroll	357 6162 5077 14993 4124	
+ 8-0 - 18-1 + 69-8 - 13-5 + 12-0	+ 7-0 - 48-6 + 68-1 + 17-6 + 3-5	+ 1-7 - 62-8 + 70-2 + 17-6 + 4-9	+ 11-8 - 61-0 + 70-9 + 16-3 + 15-4	+ 0-4 - 48-8 + 70-5 - 22-5 + 10-9	- 4-0 - 52-3 - 72-8 - 17-0 + 16-8	35-0 34-3 20-1 46-9 36-5	23-0 23-6 14-1 15-0 19-0	- 11-6 - 7-7 - 1-1 - 27-9 + 18-6	- 10-0 + 15-8 - 12-6 - 13-2 + 22-6	- 10-5 - 80-2 - 80-6 - 81-6 - 25-1	90-2 90-2 90-6 91-8	Matthews Ulmer and Co. Thorneloe Wales & M'Culloch Milne	2734 2995 104 345 136	
49-7	49-3	47-5	52-4	50-6	46-5	The sign + indicates a gaining rate.								
47-9-51-6	48-0-51-0	48-8-50-0	47-8-55-7	46-7-54-6	46-5-50-6	The quantities a, b, c, d, e, in the formula $a + 2b + \frac{1}{2}(c + \frac{d+e}{2})$, are taken numerically, without regard to sign.								

Only those watches have been included in this list for which the trial number did not exceed 100.

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RATES OF DECK WATCHES ON TRIAL FOR PURCHASE BY THE ADMIRALTY AT THE

(1) WEEKLY RATES IN ORDER OF TIME.

NAME OF MAKER.	No.	Oct. 21—28.	Oct. 28 to Nov. 4.	Nov. 4—11.	Nov. 11—18.	Nov. 18—25.	Nov. 25 to Dec. 2.	Dec. 2—9.	Dec. 9—18.	Dec. 18—16.	Dec. 16—19.	Dec. 19—23.	Dec. 23—30.
		Watch Horizontal. Dial up.						Watch Vertical. Pendant up. †	Watch Vertical. Pendant right. ‡	Watch Vertical. Pendant left. §	Watch Vertical. Pendant up. ¶	Watch Horizontal. Dial up.	Watch Horizontal. Dial up.
E. White	7187	+ 4.2	— 4.7	— 18.4	— 33.7	— 35.9	— 23.7	— 21.5	— 37.6	— 34.8	— 34.0	— 34.0	— 17.6
J. Player and Son	25451	— 0.9	+ 4.5	+ 1.7	— 8.4	— 5.1	— 4.6	+ 17.7	+ 17.9	+ 10.0	+ 43.2	+ 20.5	+ 18.0
J. White and Son	33394	— 11.9	— 19.3	— 10.2	— 49.2	— 15.7	— 13.5	+ 4.5	+ 15.4	+ 9.5	+ 14.9	+ 17.2	+ 9.6
C. Frodham and Co.	08311	— 38.1	— 45.2	— 47.5	— 40.4	— 31.0	— 49.5	— 29.9	+ 9.7	— 2.3	— 28.5	+ 4.0	— 25.6
Wales and M'ulloch	9479	— 15.0	+ 14.1	+ 14.4	— 12.7	— 20.6	— 22.5	— 10.3	— 10.3	— 12.6	— 6.9	— 8.4	+ 0.8
Wright and Craighead. Usher and Cole	8205 28698	— 9.4 + 6.7	— 10.7 + 14.2	— 9.1 + 11.5	— 10.8 — 7.6	— 9.9 — 8.6	— 9.4 — 3.9	+ 9.5 + 4.5	+ 2.3 + 12.6	— 1.4 + 7.7	+ 3.3 — 29.9	+ 1.4 + 21.2	+ 24.6 — 0.2
J. Player and Son	29614	+ 11.6	— 8.1	+ 5.3	+ 16.6	+ 11.9	+ 2.4	+ 0.7	+ 29.2	+ 42.2	+ 37.1	+ 33.6	+ 24.0
Mean Weekly Temperature ...		57.4	60.0	59.8	57.8	54.5	56.2	56.8	78.8		76.3		76.8
Extremes of Temperature as shown by the Self-Reg- istering Thermometers		54.0-61.8	56.9-53.4	57.4-53.3	56.4-55.1	56.0-56.9	53.6-58.8	70.9-53.7	78.5-53.2		67.7-50.3		64.7-55.5

* The Weekly Rates have been computed from the rates for three days

During the period Dec. 2-30, the watches were placed in an oven heated by jets of gas, the temperature being regulated by Kellogg's automatic governor, which controls the supply of gas. The gas flames are exterior to the chamber, into which none of the injurious products of combustion can enter.

J. Player and Son, 29614. The mainspring of this watch broke during the 12th week of the trial.

ROYAL OBSERVATORY, GREENWICH, FROM 1899 OCTOBER 21 TO 1900 FEBRUARY 10.

(2) ABSTRACT OF THE PRINCIPAL CHANGES OF RATES.

Dec 30 to Jan. 6.	Jan. 6—13.	Jan. 13—20.	Jan. 20—27.	Jan. 27 to Feb. 3.	Feb. 3—10.	Difference between greatest and least Weekly Rates. Dial up. a.	Greatest difference between one week and the next. Dial up. b.	Difference of Weekly Rates.			Trial Number. $a + 2b + \frac{1}{2}(c + \frac{d+e}{3})$	NAME OF MAKER.	No.
Watch Horizontal. Dial up.								Pendant up —Dial up. c.	Pendant right —Dial up. d.	Pendant left —Dial up. e.			
— 28.2	— 37.4	— 35.6	— 26.0	— 38.4	— 44.7	48.9	15.3	— 18.2	— 15.2	— 14.0	92.5	E. White	7187
— 7.3	— 10.2	— 15.9	— 8.4	— 6.7	— 17.6	38.6	26.3	+ 0.3	— 8.9	+ 24.3	94.9	J. Player and Son.	25451
— 19.3	— 15.1	— 31.9	— 30.8	— 10.7	— 13.7	31.5	23.9	+ 9.2	+ 2.4	+ 7.3	95.6	J. White and Son.	33394
— 46.6	— 56.2	— 54.7	— 48.1	— 54.0	— 55.9	30.6	23.8	+ 30.2	+ 25.5	— 0.7	95.7	C. Frodham & Co.	08311
— 6.0	— 5.4	— 5.8	+ 14.3	— 6.6	— 18.4	38.6	23.1	— 4.6	— 7.8	— 1.8	98.7	Wales & M'ulloch	9479
— 0.6	— 10.3	+ 1.7	— 3.0	+ 12.8	+ 13.5	35.4	25.2	— 15.2	— 18.5	— 13.3	98.8	Wright & Craighead	8205
— 0.2	+ 9.0	+ 20.3	+ 39.2	+ 22.8	+ 13.1	47.8	19.1	+ 14.7	+ 5.5	— 32.1	99.7	Usher and Cole	28698
+ 23.3	...	...	...	...	...	32.1	19.7	+ 19.0	+ 29.8	+ 24.7	90.1	J. Player and Son.	29614
49.7	49.3	47.5	52.4	50.6	46.5								
47.9-51.6	48.0-51.0	48.8-50.0	47.8-55.7	46.7-54.6	46.6-50.6								

The sign + indicates a gaining rate.

The quantities a, b, c, d, e, in the formula $a + 2b + \frac{1}{2}(c + \frac{d+e}{3})$, are taken numerically, without regard to sign.

Only those watches have been included in this list for which the trial number did not exceed 100.