



King's College London Archives: The George III Museum Collection

**K/MUS/1/6:  
Manuscript notebook containing measurements  
recorded at the Royal Observatory, 1772**

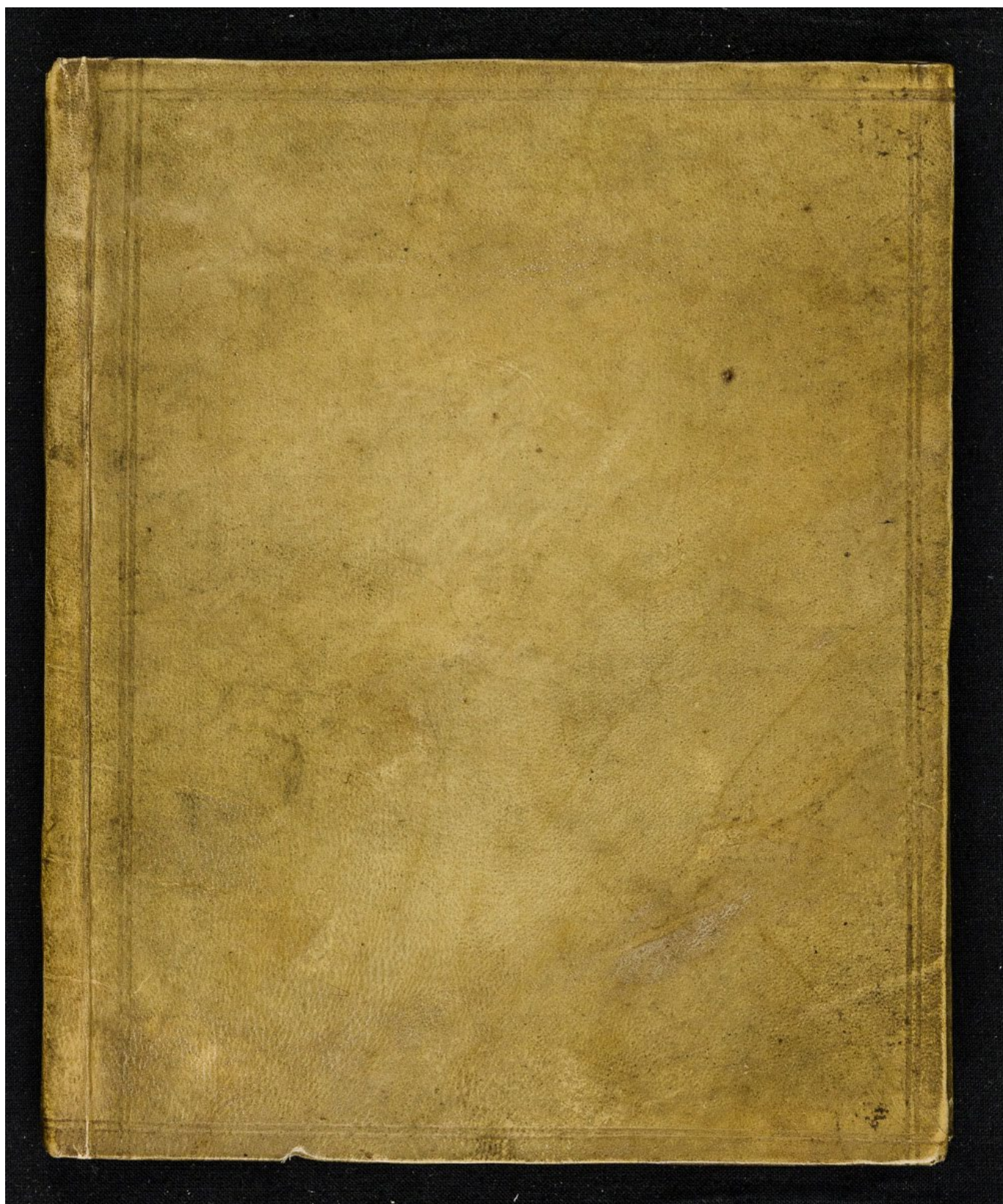
**Date:**

1772

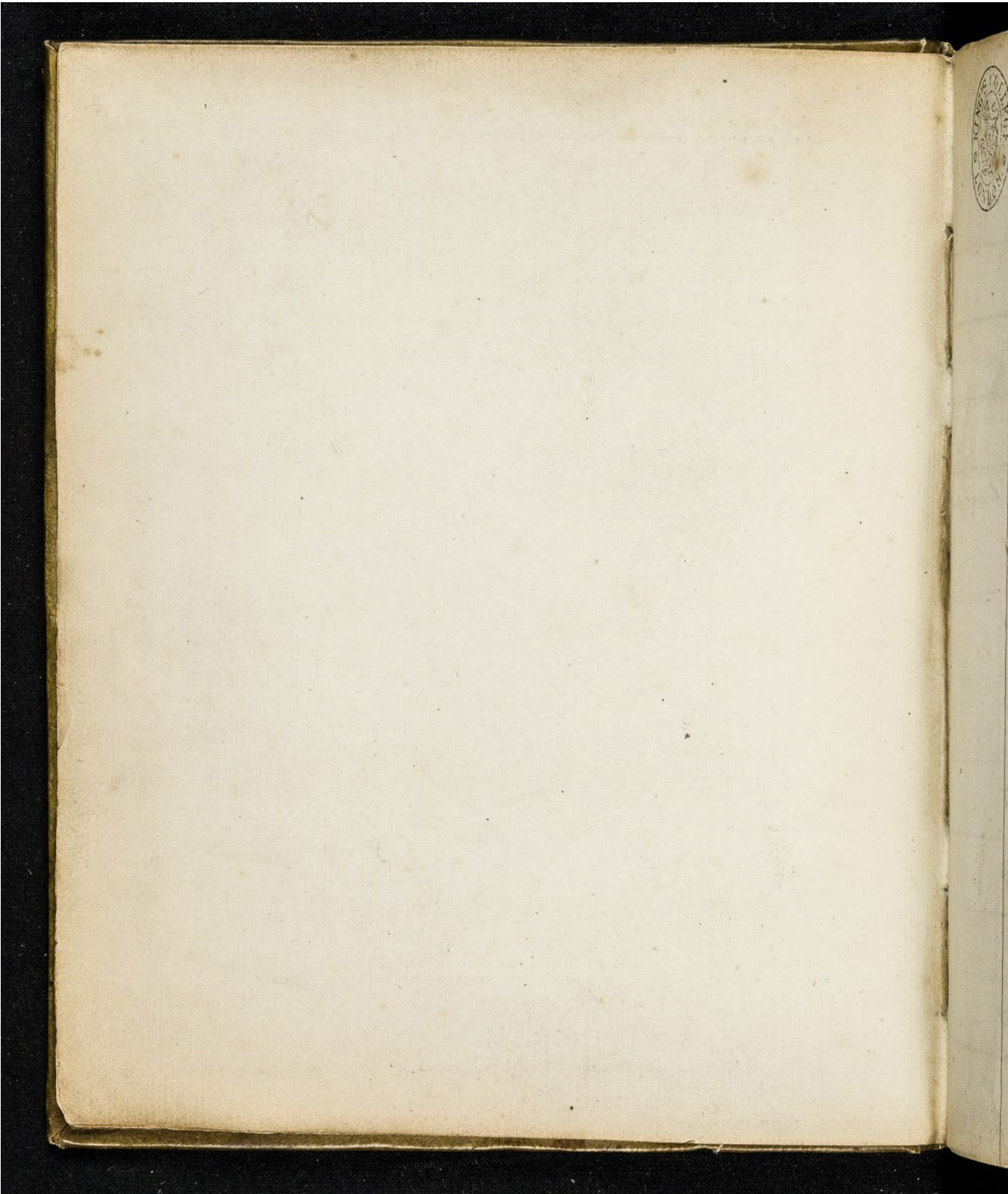
**Description:**

Manuscript notebook containing measurements recorded at the Royal Observatory, Kew, Surrey, during a test of the accuracy of the H5 chronometer designed by John Harrison, instrument maker.

1 volume











1772	When found the flock and when found	How many flock	Watch faster or slower than the flock	Watch faster or slower than the flock	Watch faster or slower than the flock	Present when compared
May 19	How many	11-0	fast 0	m. 0,7		
20	12-0	57	fast 0	0,3	lost 0,4	
21	12-0	58	fast 0	0,8	got 0,5	
22	12-0	59	fast 0	1,8	got 1,	
23	12-0	62	fast 0	1,5	got 0,7	The flock was yet faster about one second
24	12-0	61	fast 0	2,	got 0,5	
25	12-0	62	fast 0	1,9	lost 0,1	
26	12-0	62	fast 0	1,4	lost 0,5	
27	12-0	60	fast 0	1,4	lost 1,4	
28	12-	58	slow 0	1,	lost 1,	
29	12-	60	slow 0	1,5	lost 0,5	





May 30 <sup>12.</sup> 12-0 62 flow 0- 1, got 0,5

31 12- 0 62 flow 0- 1,2 left 0,2

June 1 12-0 63 flow 0- 0,5 got 0,7

2 12-0 65 flow 0- 0,5 --- 0.

3 12-- 65 fast 0- 0,5 got 1,

4 12-- 64 fast 0- 0,5 --- 0,

5 12-- 64 fast 0- 1,3 got 0,8

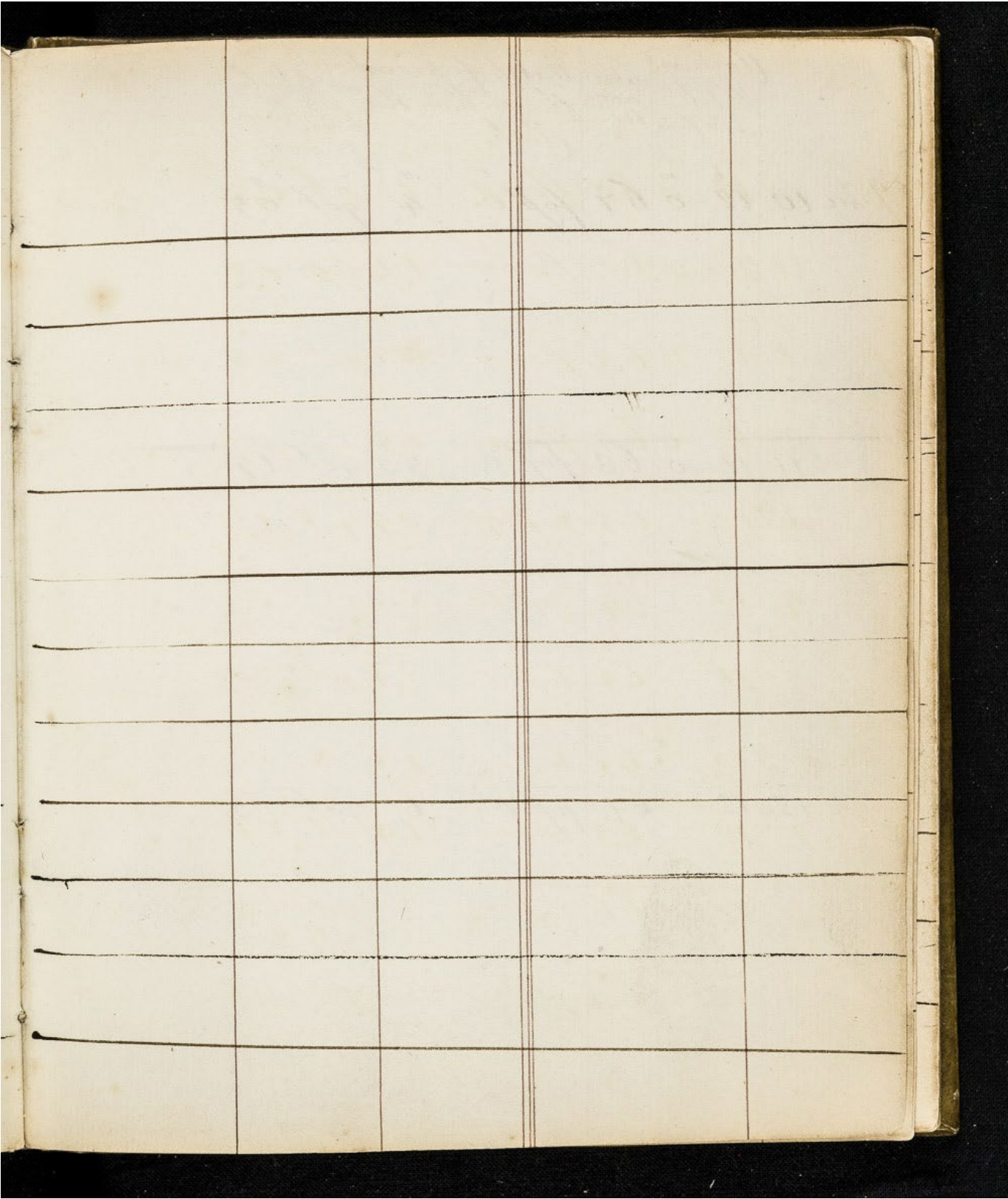
6 12-- 63 fast 0- 1,3 --- 0

7 12- 63 fast 0- 1,9 got 0,6

8 12-- 66 fast 0- 2, got 0,1

9 12- 69 fast 0- 3,5 got 1,5







Clock and other Watch faster or slower, get  
 Watch 3 more slower than the the flock  
 when faster Clock of day  
 June 10 <sup>h. m.</sup> 12-0 67 fast 0 - 4, get 0,5

11 12-0 68 fast 0 - 5,5 get 1,5

12 12- 67 fast 0 - 6, get 0,5



Drainage of the sun the Dine by the flock			Watch fast or slow by Drainage	Watch got or left of Day
0-0-0	11-57-52	11-58-53		
0-0-0	12-0-9	11-59-6		
	23 58-1	23 57-59		
	11-59-0,5	11-58-59,5		
Equat	0-57,8	0-57,8		
	11-59-58,3	11-59-57,3		
flock flow	0 1,7	0 2,7	fast 0-1,8	LD!
0-0-0	11 58 4,	11 59, 5,		
12-1-23	12-0 21,	11 59-17		
	23 58 25	23 58 22		
	11-59 12,5	11-59 11		
Equat	- - - 45,9	- - - 45,9		
	11 59 38,4	11 59-56,9		
	11 59 56,9			
	23 59 55,3			
flock flow	11-59 57,6		fast 0 3,1	LD!
	2,4			
11-57-12	58-15	59-17		
12-1-35	0-32	59-29		
23-58-47	47,	46,		
11-59-23,5	23,5	23,		
Equat	33,7	33,7		
	57,2	57,2		
	3,8	3,3	fast 0-3,	
flock flow	0-0, 3,			
Clock corrected that Day.				



	Flock & Watch when long.	Other moment.	Watch faster or slower than the flock	Watch got or left in a Day.
June 13	12-0	67	fast 0-4	got 1
14	12-	66	fast 0-4,5	got 0,5
15	12-	67	fast 0-5	got 0,5
16	12-	68	fast 0-6	got 1
17	12-	71	fast 0-7,2	got 1,2
18	12-	72	fast 0-8,2	got 1

11-5  
 12 2  
 24 0  
 12-0  
 12-0  
 12-0  
 16 1 2  
 12-0-26  
 28  
 11 59 59  
 0

Transit of the sun the Dime by the Clock			Watch fast or slow by Transit.	
11-58-17	59 20	0-22		
12 2 39	1-37	0 34		
24 0 56	0 57,	0 56,		
12-0-28	28,5	0-28		
12-0-28,5				
12-0-28				
36 1 24,5				
12-0-28,2				
28,8	Equation			
11 59 59,4				
0,6	Now		fast 0-6,6	



June 19. 12 - 71 fasto - 9,5 got 1,3

20 12 - 73 fasto - 10,3 got 0,8

21 12 - 72 fasto - 11,6 got 1,3

22 12 - 72 fasto - 12,4 got 0,8

flock corrected this Day

23 12 - 71 fasto - 11,2 got 1,1

24 12 - 74 fasto - 12, got 0,8

11-59  
12-3  
24-3  
12-1  
12-1  
12-1  
36-4  
12-1  
1-  
11-59

11 - 59 - 19	0 - 22	1 - 25,	
12 - 3 - 42	2 - 40,	1 - 37,	
24, 3 1,	3 - 2	3 - 2,	
12 - 1 30,5	1 - 31,	1 - 31,	
12 - 1 31,			
12 - 1 - 31			
36 4 - 32,5			
12 - 1 30,8			
1 - 33,1	Equation		
11 59 57,7	Rock flow		
2,3		Walden fast - 10,1	



June 25 12	73	faffo	13,5	got	1,5
26 12	74	faffo	14,3	got	0,8
27 12	77	faffo	15,7	got	1,4
28 12	75	faffo	16,7	got	1,
29 12	71	faffo	18,4	got	1,7
30 12	67	faffo	18,8	got	0,4
July 1 12	69	faffo	19,	got	0,2
2 12	69	faffo	19,3	got	0,3
3 12	68	faffo	19,7	got	0,4

12  
12-3  
24  
12-3  
3  
11 59





July 4 12 - 67 fast 0 - 20, got 0,3

5 12 - 67 fast 0 - 20,3 got 0,3

6 12 - 67 fast 0 - 20,1 left 0,2

7 12 - 67 fast 0 - 15,2 left 0,6

8 12 - 68 fast 0 - 14,7 left 0,5

9 12 - 70 fast 0 - 15, got 0,3

10 12 - 71 fast 0 - 14,7 left 0,3

clock fast

12-2  
12-6  
24-9  
12-4  
12-4  
12-4  
36-14  
12-4  
4  
11-59

ft after four seconds and three tenths

12 - 2 - 34	3 - 31	4 - 39
12 6 - 55	5 - 53	4 - 50
24 9 29	9 30	9 - 29
12 - 4 - 44,5	4 - 45,	4 44,5
12 - 4 45,		
12 - 4 44,5		
36 14 14,		
12 4 44,7		
4 - 46,2	Equation	
11 59 58,5		
1,5	Rock flow - Watch left 0 - 13,5	



July 11 12 -- 70 fasho 15,4 got 0,7

12 12 -- 71 fasho 15,2 left 0,2

13 12 -- 68 fasho 15,5 got 0,3

14 12 -- 71 fasho 14,8 left 0,7

15 12 -- 74 fasho 15,2 got 0,4

16 12 -- 69 fasho 15, left 0,2

17 12 -- 71 fasho 15,2 got 0,2

18 12 -- 71 fasho 15, left 0,2

19 12 -- 68 fasho 15,5 got 0,5

20 12 -- 66 fasho 14,9 left 0,6

This image shows a blank page from a ledger or account book. The page is cream-colored and features a grid of 10 columns and 20 rows, defined by thin brown lines. The columns are of varying widths: the first column on the left is the widest, followed by a narrow column, then a medium-width column, a narrow column, a wide column, a narrow column, a wide column, a narrow column, a wide column, and a final narrow column on the right. The rows are uniform in height. The page is set against a dark background, and the left edge shows the binding of the book.




July 21 12 — 65 fast 0 — 14,7 left 0,2

22 12 — 66 fast 0 — 13,8 left 0,9

23 12 — 67 fast 0 — 13,5 left 0,3

24 12 — 68 fast 0 8, left 0,5 The flock was 4

25 12 — 70 fast 0 — 7,8 left 0,2

26 12 — 69 fast 0 — 7,3 left 0,5

27 12 — 68 fast 0 — 7,3 — 0

12-3 42	5-45
12-7 59	5-56
24 11 41	11-41
12-5 50.5	5-50.5
5-53	Equation
11-59 55.5	
4.5	flock Nov. Watch fast 0' - 10.2"

flock was set faster five seconds



July 28 12 --- 66 *pass* 0' --- 6,7 *left* 0,6

29 12 --- 67 *pass* 0 --- 6,5 *left* 0,4

12. 5.  
12- 6  
24 11  
12. 5  
5.  
11-59

12 - 5 - 50,  
12 - 6 - 3  
24 - 11 - 53,  
12 - 5 - 565  
5 - 585 Equation  
11 - 59 - 582  
1,8 Stock New Watch 4,5

Demainbray



