

Journal
Trestle's

2

F.B. 689

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2

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Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes.	Lks.	Minutes.	Lks.	Minutes.	Lks.
1.....	2½	21.....	49	41.....	95½
2.....	4½	22.....	51½	42.....	98
3.....	7	23.....	53½	43.....	100½
4.....	9½	24.....	56	44.....	102½
5.....	11½	25.....	58½	45.....	105
6.....	14	26.....	60½	46.....	107½
7.....	16½	27.....	63	47.....	109½
8.....	18½	28.....	65½	48.....	112
9.....	21	29.....	67½	49.....	114½
10.....	23½	30.....	70	50.....	116½
11.....	25½	31.....	72½	51.....	119
12.....	28	32.....	74½	52.....	121½
13.....	30½	33.....	77	53.....	123½
14.....	32½	34.....	79½	54.....	126
15.....	35	35.....	81½	55.....	128½
16.....	37½	36.....	84	56.....	130½
17.....	39½	37.....	86½	57.....	133
18.....	42	38.....	88½	58.....	135½
19.....	44½	39.....	91	59.....	137½
20.....	46½	40.....	93½	60.....	140

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Table for Running on Slopes.

In the following table the first column shows the angle, the second, the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.
°		°		°		°	
4	0-24	11	1-88	18	5-14	25	10-54
5	0-38	12	2-24	19	5-76	26	11-26
6	0-55	13	2-63	20	6-42	27	12-24
7	0-76	14	3-06	21	7-11	28	13-37
8	0-98	15	3-53	22	7-85	29	14-34
9	1-24	16	4-02	23	8-64	30	15-47
10	1-55	17	4-56	24	9-47	35	22-07

Handwritten calculations on the right page of the notebook, including numbers like 66, 7.6, 546, 688, 73.96, 462.25, 75.5885, 64, 14.58, 1344, 11425, 10596, 2.15, 7.55, 1075, 215, 450, 462.25, 8.86, 168, 1766.

B^{ed} St Lap Hawthorn

Triste No 6

1

Sta.	Lc.	b	R.
Elev.	Hgt	Elev.	Hgt
+10.6 B.1	150.84	157.20	151.44
+20.6 B.2	155.66	155.90	155.86
+30.6 B.3	159.93	160.71	159.93
+40.6 E.T			

Lc.	b	R.	Length of Pass
-10.8 3.45	-9.54	-10.0 3.25	10' 3 3/4"
-5.8 2.20	-4.94	-5.8 2.20	5' 11 3/4"
-1.0 1.0	-0.23	-1.0 1.0	1' 0 3/4"

Hawthorne St E. of 1st.

Sta	L		C		R	
	elev	Grid	elev	Grid	elev	
B.T.						
2438.4						
+58. B.1	150.16		151.56		150.56	
+						
+78. B.2			147.65			
+98. B.3	152.99		153.23		151.39	
3+18. B.4	158.11		158.41		152.51	
+28. E.T.						

Trussle No 1 at 2nd 2

Length Pass	L		C		R	
	8' 6 $\frac{3}{4}$ "	$\frac{-8.6}{2.9}$	-7.20	$\frac{-8.2}{2.8}$	8' 5 $\frac{1}{4}$ "	
	$\frac{11.2}{3.53}$	-	-11.23	$\frac{13.0}{4.0}$		
	6' 2 $\frac{1}{2}$ "	$\frac{-6.0}{2.35}$	-5.76	$\frac{-7.6}{2.65}$	7' 10"	
	1' 0 $\frac{3}{4}$ "	$\frac{-1.0}{1.0}$	-0.70	$\frac{-1.6}{1.15}$	1' 7 $\frac{3}{4}$ "	

Hawthorne Est 1st St

Trest No 2

Sta	L _o Elev	C Elev	R Elev
3+56.4 B.T.			
+78. B.1.	157.47	157.34	156.47
+98. B.2.	153.20	152.77	150.50
4+18. B.3.	150.85	150.10	146.95
+38 B.4	143.80	141.97	139.70
+58. B.5.	139.55	138.64	136.65
+74.4 B.6	134.50	134.87	134.50
+96.7 B.7. P.C.	138.44	140.42	141.04

	L _o	C	R	Length of Pier
	2.40 1.55	-2.81	3.80 1.70	
6' 8 1/2"	-6.5 2.27	-6.93	-9.2 3.05	9' 5 1/4"
9' 3 1/4"	-9.0 3.0	-9.75	-12.9 3.97	13' 3 1/2"
16' 4 1/4"	-16.2 4.8	-18.03	-20.8 5.82	20' 10 1/2"
21' 2 3/4" ✓	-20.6 5.9	-21.51 ✓	-23.5 6.62	24' 2 1/2"
26' 6 7/8"	-25.8 7.2	-25.43	25.8 7.2	26' 6 7/8"
22' 8"	-22.0 6.25	-20.02	-19.4 5.60	19' 11 3/4"

3rd St N of Hawthorne

Twistle No 3

4

Sta	elw	B elw	elw	Left Length of Post		Right Length of Post
0 = 3+96.7 R.C.						
+10 B.1	141.74	143.61	144.64	19' 4 3/8"	$\frac{-14.8}{8.45}$ -16.93	$\frac{-16.0}{4.75}$ 16' 5 3/4"
+20 B.2	143.84	147.31	147.74	17' 6 1/8"	$\frac{-17.0}{3.0}$ -13.33	$\frac{-12.90}{3.95}$ 13' 3 1/2"
+30 B.3	143.84	148.84	149.14	15' 4 1/4"	$\frac{14.9}{4.47}$ -11.90	$\frac{11.6}{3.4}$ 11' 11 3/8"
+40 B.4	148.44	151.07	151.84	12' 9 1/4"	$\frac{-12.4}{3.85}$ -9.77	$\frac{-9.0}{3.0}$ 9' 3/4"
+50 B.5	151.94	154.98	155.34	9' 5 1/4"	$\frac{-9.0}{3.0}$ -5.96	$\frac{-5.6}{2.15}$ 5' 9 1/4"
+60 B.6	153.64	155.60	155.64	7' 7 1/2"	$\frac{-7.4}{2.6}$ -5.44	$\frac{-5.4}{2.1}$ 5' 6 3/4"
+70 B.7	152.14	154.41	154.34	9' 3 1/4"	$\frac{-9.0}{3.0}$ -6.73	$\frac{-6.8}{2.45}$ 7' 0"
+80 B.8	150.24	153.50	153.34	11' 4"	$\frac{11.0}{3.5}$ -7.74	$\frac{-7.7}{2.67}$ 7' 11 1/8"
+90 B.9	149.74	152.37	152.54	11' 11 3/8"	$\frac{-11.6}{3.65}$ -8.97	$\frac{-8.8}{2.95}$ 9' 0 3/4"

3rd St Not Hawthorn

Sta	Color	L ₁ Blk	Blk	Color
B1+00	B.10.	149.84	151.67	151.84
+10	B.11.	148.54	150.35	150.36
+30	B.12.	149.74	152.56	152.74
+50	B.13.	150.34	153.37	153.40
+70	B.14.	147.34	151.15	151.54
+90	B.15.	144.94	147.46	148.34
2+10	B.16.	142.14	143.80	144.14
+30	B.17.	147.04	147.25	145.04
+50	B.18.	150.74	150.89	148.94
+70	B.19.	154.34	154.43	151.14

Trestle No 3

5

Length Pass	L ₁	L ₂	R	Length Pass
11' 11 ³ / ₈ "	$\frac{11.6}{3.65}$	-9.77	$\frac{-9.6}{3.15}$	9' 10 ³ / ₈ "
13' 4 ³ / ₄ "	$\frac{13.0}{4.0}$	-11.19	$\frac{11.2}{3.50}$	11' 6 ¹ / ₂ "
12' 4 ³ / ₄ "	$\frac{-12.0}{3.75}$	-9.18	$\frac{-9.0}{3.0}$	9' 3 ¹ / ₄ "
11' 11 ³ / ₈ "	$\frac{-11.6}{3.65}$	-8.57	$\frac{-8.6}{2.9}$	8' 10 ³ / ₈ "
15' 0 ¹ / ₂ "	$\frac{-14.6}{4.40}$	-10.99	$\frac{-10.6}{3.40}$	10' 11"
17' 11"	$\frac{-17.4}{5.10}$	-14.88	$\frac{-14.0}{4.25}$	14' 5"
21' 0 ¹ / ₄ "	$\frac{-20.4}{5.85}$	-18.74	$\frac{-18.4}{5.35}$	18' 11 ³ / ₈ "
16' 0 ¹ / ₄ "	$\frac{-15.6}{4.65}$	-15.39	$\frac{-17.6}{5.15}$	18' 1 ³ / ₈ "
12' 6 ⁷ / ₈ "	$\frac{-12.2}{3.80}$	-12.05	$\frac{-14.0}{4.25}$	14' 5"
9' 0 ³ / ₄ "	$\frac{-8.8}{2.95}$	-8.71	$\frac{-12.0}{3.75}$	12' 4 ³ / ₄ "

3rd St N of Hawthorne

Trestle No 3

6

Sta	Co	Co	Co	Lo	Co	R	
2+90 B.20	155.54	155.74	153.34	Length of Pier 8' 0 ³ / ₄	$\frac{-7.8}{2.7}$	-7.60	Length of Pier $\frac{-10.0}{3.25}$ 10' 3 ⁵ / ₈
3+10 B.21	158.14	158.29	156.54	5' 6 ³ / ₄	$\frac{-5.4}{2.10}$	-5.25	$\frac{-7.0}{2.5}$ 7' 2 ¹ / ₂
+30 B.22	161.74	162.14	160.54	2' 0 ³ / ₄	$\frac{-2.0}{1.25}$	-1.60	$\frac{-3.2}{1.55}$ 3' 3 ⁵ / ₈
+50 End Pier							

2nd St S. of Hawthorne Trestle

No 5

Sta	Left Elev	Centre Elev	Right Elev	Sub Grade 0.5 ft lower than pipe grade	L.	b.	R.
0	Begin trestle	160.46		158.69	Length Post		Length Run
+04.4 B.C.							
+10 B.C.	154.79	156.68	156.59	158.79	4' 0 3/4	$\frac{-4.0}{1.75} - 2.11$	$\frac{-2.2}{1.3}$ 2' 3/4
+20 B.C.	152.09	154.66	154.29	158.89	7' 0"	$\frac{-6.8}{2.45} - 4.23$	$\frac{-4.6}{1.9}$ 4' 8 1/8
+30 B.C.	148.39	151.30	151.59	158.99	10' 11"	$\frac{-10.6}{3.4} - 7.69$	$\frac{-7.4}{2.6}$ 7' 7 1/2
+40 B.C.	145.49	148.18	148.69	159.09	14' 0 1/8	$\frac{-13.6}{4.15} - 10.91$	$\frac{-10.4}{3.35}$ 10' 8 1/2
+50 B.C.	143.19	146.12	146.19	159.19	16' 5 3/4	$\frac{-16.0}{4.75} - 13.07$	$\frac{-13.0}{4.0}$ 13' 4 3/4
+60 B.C.	142.09	144.25	145.09	159.29	17' 8 5/8	$\frac{-17.2}{5.05} - 15.04$	$\frac{-14.2}{4.3}$ 14' 7 5/8
+70 B.C.	140.39	143.62	144.39	159.39	19' 6 3/8	$\frac{-19.0}{5.5} - 15.77$	$\frac{-15.0}{4.5}$ 15' 5 3/8
+80 B.C.	139.49	143.22	144.09	159.49	20' 7 1/4	$\frac{-20.0}{5.75} - 16.27$	$\frac{-15.4}{4.6}$ 15' 10 3/8
+90 B.C.		143.42	143.79	159.59	20' 4 3/4	$\frac{-19.8}{5.7} - 16.17$	$\frac{-15.8}{4.7}$ 16' 2 1/4

2nd St S. of Hawthorne

Sta	Left Elev	Centre Elev	Right Elev
+100 B ¹⁰	139.49	142.45	142.89
+10 B ¹¹	137.39	140.64	141.19
-16.9 E.P.			
+20 B ¹²	135.69	138.47	139.49
+40 B ¹³	131.09	133.52	134.09
+60 B ¹⁴	126.29	128.09	128.29
+80 B ¹⁵	121.49	125.20	125.49
+100 B ¹⁶	126.69	126.11	122.09
+20 B ¹⁷	136.09	134.25	127.89
+40 B ¹⁸	142.09	141.22	136.69
+60 B ¹⁹	147.29	147.31	144.89
+80 B ²⁰	153.49	153.40	151.49
+100 B ²¹	160.09	160.77	158.89
+120 End trestle		166.07	

Trestle No 5.

Sub Grade Elev.	Length	C.	R.
56 lower than tide gage			
159.69	20' 9 ³ / ₄	-20.2 5.8	-17.24 4.95
159.79	23' 0 ⁷ / ₈	-22.4 6.35	-19.15 5.4
159.89	24' 11 ¹ / ₈	-24.2 6.8	-21.42 5.85
160.09	29' 10 ¹ / ₂	-29.0 8.0	-26.57 7.25
160.29	35' 0 ¹ / ₄	-34.0 9.25	-32.0 8.75
160.49	40' 2"	-39.0 10.5	-35.29 9.5
160.69	32' 11 ¹ / ₂	-32.0 8.75	-34.58 10.4
160.89	25' 6 ¹ / ₂	-24.8 6.95	-26.64 9.0
161.09	19' 6 ⁷ / ₈	-19.0 5.5	-19.87 6.85
161.29	14' 5"	-14.0 4.25	-16.4 4.85
161.49	8' 2 ⁷ / ₈	-8.0 2.75	-10.0 3.25
161.69	1' 7 ³ / ₄	-1.6 1.15	-2.8 1.45
161.89			

Length

17' 5⁵/₈"

19' 1⁷/₈"

21' 0¹/₈"

26' 9³/₄"

32' 11¹/₂"

36' 0⁵/₈"

39' 9³/₈"

33' 11⁷/₈"

25' 1⁵/₈"

16' 11³/₈"

10' 3³/₈"

2' 10⁵/₈"

Perpendic Tie Points to Bents
2nd Sta N. of Hawthorne

Sta
0 Begin Trestle
+10 B. 1.
+20 B. 2
+30 B. 3
+40 B. 4
+50 End Trestle

+20
+40
+60
+80
+100
+120

Tie Points

10

Trestle No 4

Left Plug

Center Plug

Right Plug

0	8.0	6.0	0
+10	6.0	6.0	0
+20	13.6	6.0	0
+30	5.9	0	0

Tie Points

11

2nd Ed St Trestle No 5 S of

Hawthorne

Tie Points

Left Plug

Center Plug

Right Plug

0 Begin Trestle

+10 B. 1

+20 B. 2

+30 B. 3

+40 B. 4

+50 B. 5

+60 B. 6

+70 B. 7.

+80 B. 8

+90 B. 9

0	7.0	7.0	0
+10	7.0	7.0	0
+20	7.0	7.0	0
+30	7.0	7.0	0
+40	7.0	9.0	0
+50	7.0	7.0	0
+60	7.0	7.0	0
+70	7.0	7.0	0
+80	7.0	7.0	0
+90	7.0	7.0	0

PT

2nd St Trestle No 5 Sop

1+00 B.10

+10 B.11

+16.9

P.T.

+20 B.12

+40 B.13

+60 B.14

+80 B.15

2+00 B.16

+20 B.17

+40 B.18

+60 B.19

Tie Points

Aurthur St Tie Points

Left Plug

Center Plug

Right Plug

0 7.0 0 7.0 0

0 7.0 0 7.0 0

0 8.0 0 8.0 0

0 10.0 0 10.0 0

0 ~~10.0~~ 0 10.0 0

0 15.0 0 15.0 0

0 10.0 0 5.0 0

0 8.0 0 12.0 0

0 7.0 0 8.0 0

0 7.0 0 7.0 0

Tie Points

13

2nd St B of Hawthorne Trestle No 5

Trestle No 5

+100 B.20

+300 B.21

+20 End Trestle

Left Aug

Center Aug

Right Aug

0

7.0

0

7.0

0

0

7.0

0

7.0

0

0

Hawthorne St E of 1st

Sta

2+38.4 Begin Trestle 5' W. of So. 2nd St

+58.4 B. 1

+78.4 B. 2.

+98.4 B. 3

3+18.4 B. 4

+28.4 End Trestle 5' E.E.S. 2nd St

Tie Point's

14

Trestle No 1

Sinking

Center Peg

Right String

o	7.0	o	7.0	o
o	7.0	o	7.0	o
o	7.0	o	7.0	o
o	7.0	o	7.0	o
o		o		o

Hawthorne St E of 1st

Trestle No 2

Sta

L

B

R

3+58.4 Begin trestle 35' E.E.S. 2nd St

+78.4 B. 1

7' 7'

+98.4 B. 2

7' 7'

4+18.4 B. 3

10' 7'

+38.4 B. 4

9' 9'

+58.4 B. 5

9' 10'

+78.4 B. 6

12' 12'

+96.7 B. 7 P.C. to 27.4 W.W. Lo of 3rd St

10' 10'

3rd St N of Hawthorn

Tie Points
Trestle No. 3

16

Sto

L

C

R

0

+10 B.1

+20 B.2

+30 B.3

+40 B.4

+50 B.5

+60 B.6

+70 B.7

+80 B.8

+90 B.9

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

Tide Points
Trust No 3

17

Str						S	b	R
1	B. 10					10'	10'	
1405.9	DT							
+10	B 11					10'	10'	
+30	B 12					10	7	
+50	B. 13					10'	8'	
+70	B 14					10'	8'	
+90	B 15					10'	8'	
2+10	B 16					10'	10'	
+30	B. 17					10'	10'	
+50	B 18					10'	10'	
+70	B 19					10'	10'	

Tie Points
Trust No 3

18

2+90 B20

S b R
• 10' • 10' •

3+10 B21

• 10' • 10' •

3+30 B22

• 10' • 10' •

+50 E.T.

Tide Points
Trust No 6

19

L B R

Sta

0

+10 B1

+20 B2

+30 B3

o

o

7.0'

o

o

7.0'

o

7.0'

o

o

7.0'

o

7.0'

o

June 7 1988
 H Hamlin
 A Hamlin

Check Levels on Firestone No. 2. Hawthorn St

Sta	Rod L		Rod R	
Blm				
+ 788	10.13	157.48	11.13	156.48
#				
+ 98	3.87	153.20	6.55	150.58
+ 118	6.21	150.86	10.11	146.96
#				
+ 38	3.51	143.80	7.58	139.73
+ 58	7.71	139.60	10.60	136.71
#				
+ 78	11.62	134.51	11.63	134.50
+ 96	7.68	138.45	5.08	141.05
+ 110	4.38	141.75	1.56	144.57
#				
+ 20	12.64	143.67	6.60	147.75
+ 30	8.49	145.86	5.20	149.15
+ 40	5.89	149.46	2.49	151.86
#				
+ 50	6.04	151.95	2.65	155.34

+	O/O	-	Blm
1.08	167.61		166.53
1.25	157.07	11.79	155.82
1.96	147.31	11.72	145.35
9.67	146.13	10.85	136.46
9.16	154.35	0.94	145.19
4.48	157.99	0.84	153.51

RC

June 22 1888

H H Amlin
H H Amlin

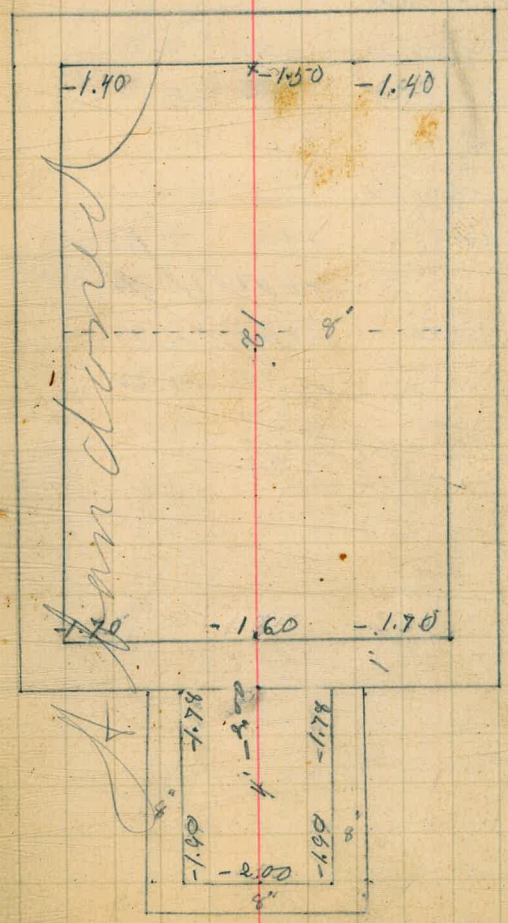
Flush Tank at Cal farm & Ash Sts.

Bm + H9 - Elev Grade but

Surface grade	10.80			
11.36	4.14	15.53		
N.B.M.	4.94	10.61	-0.90	11.51
N.W.	5.41	10.14	-0.90	11.04
N.E.	5.36	10.17	-1.25	11.42
Span across				
S.W.	5.33	10.22	-1.40	11.53
S.E.	4.99	10.56	-1.40	11.62
B.M.	11.01	4.54		

plug

plug



plug

plug

Flush Tank California

& Ash Streets

June 25 - 1889

H. H. Hamlin

C. H. Hamlin

24

B.M. + H.9. Grade Rod

4.58 5.76 10.29

Grades for - 2.00 12.29

Lower chamber - 1.90 12.19

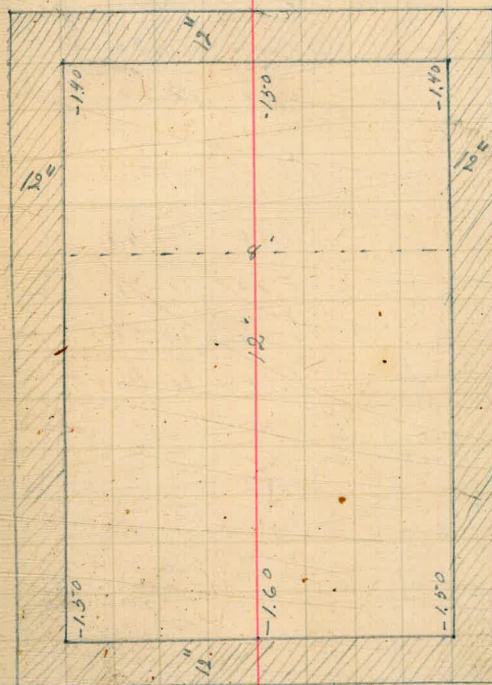
Grades for
Upper chamber

Lower side - 1.60 11.89

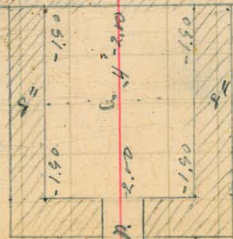
- 1.50 11.79

Upper side - 1.50 11.79

- 1.40 11.69



H. L. of



same 2.00

total

Order of bottom of pipe first
Joint outside of Mem hole - 2.65

June 26 1888
 St. H. analysis 26
 St. H. analysis

Elev on bal. St. from

A thuritic St. to Fish Tank

Sta	+	H ₂	-	Elev
Bm	8.24	12.77		4.53
0+26				
+29.3			10.40	2.37
+37			10.00	2.77
+47			9.83	2.94
+72			8.33	4.38
+97			7.27	5.50
+122			6.26	6.51
+47			4.95	7.82
+72			4.14	8.63
+97			3.27	9.50
+222			2.61	10.16

Man hole

PT

Fish tank

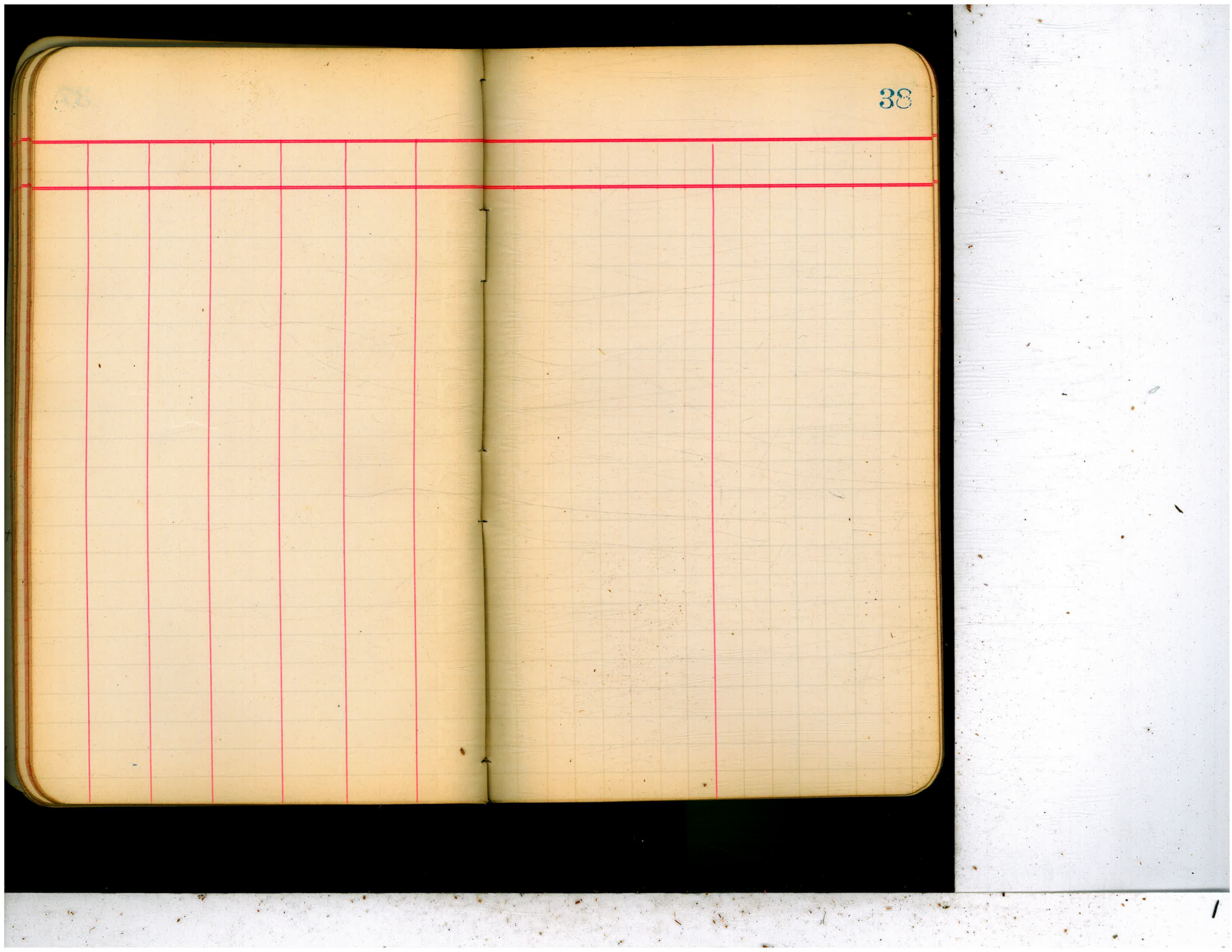
0
+
+
+
+
+
+

The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has two horizontal lines near the top, creating a header section. Below these, there are seven vertical lines that divide the page into eight columns of varying widths. The right page is a standard grid page with a uniform grid of light blue lines. The number '20' is printed in the top right corner of the right page. The notebook is placed on a white surface.

The image shows an open notebook with two pages. The right page is numbered '31' in the top right corner. Both pages are ruled with a grid of red lines. The left page has a wide left margin and is divided into six vertical columns of varying widths. The right page has a wide right margin and is divided into two vertical columns. The grid consists of horizontal lines spaced evenly down the page, and vertical lines that create the columns. The paper is aged and yellowed.

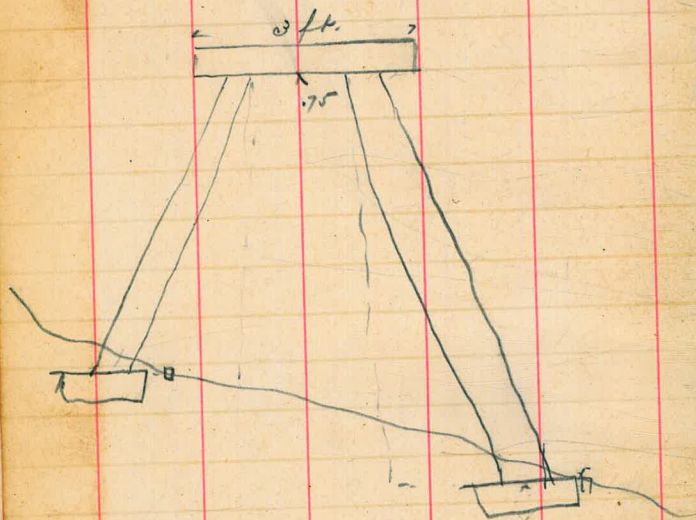
38

38



The image shows an open notebook with two pages. The pages are cream-colored and feature a light gray grid pattern. A prominent red line runs horizontally across the top of both pages. Below this line, the left page is divided into seven vertical columns by red lines. The right page has a single vertical red line on its left side, creating a narrow column. The notebook is placed on a white surface, and the binding is visible in the center.





TRAVERSE TABLE FOR TRANSIT BOOK,
From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	81
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	80
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	79
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	78
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	77
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	76
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	75
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	74
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	73
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	72
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	71
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	70
12	97.81	20.79	97.72	21.22	97.73	21.64	97.53	22.07	69
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	68
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	67
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	66
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	65
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	64
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	63
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	62
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	61
21	93.36	35.81	93.20	35.24	93.04	36.65	92.88	37.06	60
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	59
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	58
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	57
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	56
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	55
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	54
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	53
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	52
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	51
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	50
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	49
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	48
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	47
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	46
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	45
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	44
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	43
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	42
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	41
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	40
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	39
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	38
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	37
45	70.71	70.71							36
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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Handwritten notes and diagrams on the left page:

118.0
109.0
100.0
97.5
20 m

10.8
103
3 24

11.1 24

11.5
1.60

41.10.4
2.9
75

Diagram: A rectangle with a horizontal line at the top labeled '118.0', a vertical line on the right labeled '97.5', and a horizontal line at the bottom labeled '100.0'. A diagonal line from the top-left corner to the bottom-right corner is labeled '109.0'. Below the rectangle, there is a small step-like diagram with a horizontal line and a vertical line.