

City Sewers
India Street

9

TRANSIT

F.B. 676

676

1

MICROFILMED

DEC 14 1964

H. C. L. } July 18/87
H. Hamilton

1

Δ	+	H.I.	-	EL. / B.B.	REMARKS.
BM	450	8.65		4.15 4.15	
3+50			7.07	1.58	H. & INDIA STS
$\Delta 0$			6.96	1.69	
0+50			5.36	3.29	
$\Delta 1$			4.69	3.96	
1+50			3.95	4.70	
$\Delta 2$			3.07	5.58	
2+50			2.66	5.99	
$\Delta 3$			2.06	6.59	
3+37.5			2.24	6.41	G. & INDIA STS
BM			0.83	7.82 7.82	
T.H.	423	12.05			
$\Delta 0$			4.81	7.24	
0+50			4.48	7.57	
$\Delta 1$			4.30	7.75	
1+50			4.54	7.51	
$\Delta 2$			4.63	7.42	
2+50			4.45	7.60	
$\Delta 3$			4.17	7.88	
3+37.5			3.63	8.42	H. & INDIA STS
BM			2.77	9.28 9.29	

H. L. L. } July 18/87
 H. Hamilton

Δ	+	H.I.	-	Ellev BB.
I.P.	5.70	14.12		8.42
$\Delta 0$			5.66	8.46
0+50			4.76	9.36
$\Delta 1$			4.65	9.47
1+50			4.53	9.59
$\Delta 2$			4.49	9.63
I.P.	5.28	14.91		
2+50			5.38	9.53
$\Delta 3$			5.37	9.54
3+37.5			5.41	9.50
$\Delta 0$			5.02	9.89
BM.			4.86	10.05 10.09
0+50			4.80	10.11
$\Delta 1$			5.06	9.85
1+50			4.15	10.76
$\Delta 2$			3.96	10.95
I.P.	6.69	17.64		
2+50			6.25	11.39
$\Delta 3$			4.95	12.69
3+62.5			4.15	13.49
BM.			3.51	14.13 14.16

III & IV NITA ST's.

III & IV NITA ST's.

H.C.L.
H. Hamlin } July 18/87

3

△ + F.L.I. — Elev BB.

△ 0 17.64 3.65 13.99

0+

level ground No plug.

△ 1 2.57 15.07

1+50 1.97 15.67

△ 2 2.18 15.46

T.F. 6.04 21.50

2+50 5.60 15.91

△ 3 5.06 16.44

3+40 4.92 16.58

△ 0 5.12 16.38

0+50 5.15 16.35

△ 1 5.57 15.93

1+50 5.87 15.63

△ 2 5.83 15.67

T.P. 4.70 20.37

+50 4.73 15.64

△ 3 5.00 15.37

3+40 5.91 14.46

△ 0 4.80 15.57

0+50 5.34 15.03

△ 1 4.80 15.57

C & IN DIA STS.

T.P. & IN DIA STS.

H.L.L. & J. Hamilton July 1887

Δ	+	H.I.	—	Elev	BB.
1+50		20.37	3.37	17.00	
Δ 2			2.60	17.77	
IF	7.13	24.90			
2+50			6.56	18.34	
Δ 3			5.88	19.02	
3+40			5.08	19.82	
BM			4.36	20.54	20.58
Δ 0			4.45	20.45	
0+50			3.43	21.47	
Δ 1			3.33	21.57	
1+50			3.27	21.63	
Δ 2			2.35	22.53	
IF	6.78	29.33			
2+50			6.56	22.77	
Δ 3			6.43	22.90	
BM			6.10	23.23	23.27
3+40			4.45	24.88	
Δ 0			3.65	25.68	
0+50			2.98	26.35	
Δ 1			0.97	28.36	
1+50			0.93	29.10	
IF	8.17	37.27			

A & INDIAN STS.

A 5 H & INDIAN STS.

H. L. Miller July 1987

5

Δ	+	HI	-	Elev	B.B.	REMARKS.
$\Delta 2$		37.27	8.02	29.25		
2+50			7.11	30.16		
$\Delta 3$			5.65	31.62		
3+40			5.08	32.19		
B.M.			2.60	34.67	34.67	
T.P.	4.35	39.02		34.67		
$\Delta 0$			6.71	32.31		
0+50			8.47	30.35		
$\Delta 1$			8.55	30.47		
1+50			6.43	32.59		
$\Delta 2$			3.70	35.32		
2+50			2.07	37.07		
$\Delta 3$			0.64	38.38		
3+40			2.22	36.80		
$\Delta 0$			4.54	34.48		
0+50			4.30	34.72		
T.P.	12.03	46.75				
$\Delta 1$			10.63	36.12		
1+50			9.29	37.46		
$\Delta 2$			4.99	41.76		
2+50			3.07	43.68		

Beech & PINNIA 5/5

Cedar & PINNIA 5/5

Hobbs
F. Miller } July 19/87

6

Δ	+	HI	-	Elev	BB	REMARKS
T.P.	4.96	48.64				
B.M.			1.62	47.02	47.03	
$\Delta 3$			4.35	44.29		
T.P.	6.05	50.29				
3+40			6.23	44.06		
$\Delta 0$			5.82	44.47		
0+50			5.97	44.32		
$\Delta 1$			5.36	44.93		
1+50			4.36	45.93		
$\Delta 2$			3.57	46.72		
2+50			2.87	47.42		
$\Delta 3$			3.25	47.04		
T.P.	2.83	49.87				
3+50			3.15	46.72		
$\Delta 4$			2.63	44.24		
4+48 ³ / ₁₀			1.33	48.54		
4+88 ³ / ₁₀			1.56	48.27		
B.M.			12.35	37.52	37.52	
T.P.	6.72	54.99				
$\Delta 0$			6.91	48.08		
0+50			6.75	48.29		

ATE & INDIA STS

TE & INDIA STS

TE^o & INDIA STS

NE. spike in cor post.

H. L. Miller } July 19/87

7

Δ	+	HI	-	Elev	BB
$\Delta 1$		54.99	6.43	48.56	
1+50			5.35	49.64	
$\Delta 2$			4.53	50.46	
2+50			5.12	49.87	
BM			4.82	50.97	50.21
I.P.	1.40	51.27			
2+75			3.05	48.22	
$\Delta 3$			10.78	40.49	
I.P.	3.55	44.04			
3+40			9.60	35.44	
$\Delta 0$			7.86	36.18	
0+50			3.35	40.69	
I.P.	11.57	53.26			
$\Delta 1$			3.91	49.35	
1+50			2.37	49.89	
$\Delta 2$			3.00	49.26	
I.P.	1.33	50.59			
2+50			2.80	47.79	
$\Delta 3$			4.27	46.32	
3+40			4.37	46.22	
$\Delta 0$			6.04	44.55	

REMARKS.

← CHIRAPPA & INDIA S/S

← FLAWTHORN & INDIA S/S

H. L. Miller } July 19/87

REMARKS.

Δ	+	HI	-	LOW	BB
0+50		5039	6.43	44.16	
$\Delta 1$			3.88	46.71	
1+50			0.92	49.67	
I.P.	354	52.71			
$\Delta 2$			3.10	49.61	
2+50			5.46	47.25	
$\Delta 3$			7.40	45.31	
3+40			4.05	48.66	
BM			4.63	48.58	48.12
I.P.	108	49.74			
$\Delta 0$			0.70	49.04	
0+50			1.68	48.06	
$\Delta 1$			0.45	49.29	
1+50			3.84	45.90	
$\Delta 2$			10.77	38.97	
2+25			13.00	36.74	
2+50			10.42	38.82	
$\Delta 3$			2.54	47.20	
I.P.	8.07	55.21			
3+40			2.97	52.24	
BM			7.13	48.08	48.12

IVY & INDIRA 5/5.

JUNIFER & INDIRA 5/5.
AT Center of Ivy St.

India St. Nef. L. Dec. 17 47

Sta	+	Hi.	-	Ele
Bm.	7.15	9.25		2.20
1				
+25			7.09	2.16
+50			6.62	2.63
+75			5.82	3.43
2			5.24	4.01
+25			4.72	4.53
+50			4.49	4.76
+75			4.14	5.11
3			3.66	5.59
+25			3.14	6.11
+50			3.25	6.00
+75			2.76	6.49
4			2.78	6.47
+37.5			2.41	6.84
+75			2.04	7.21
Bm.			1.34	7.91
Bm	424	12.08		7.84
5			4.48	7.60
+25			4.25	7.83

NE Ark Pass

SLB
L. St.
N. 2. 6. St.

H. Hamlin
A Hamlin

10

12/18 India St N S

Sto	+	WJ	-	Clu	
+50		12.08	4.40	7.68	B B
+75			4.33	7.75	
6			4.54	7.54	
+25			4.58	7.50	
+50			4.38	7.70	
+75			4.72	7.36	
7			4.71	7.37	
+25			4.67	7.41	
+50			4.45	7.63	
+75			4.62	7.46	
Bm	5.95	15.23	2.80	9.28	
+12.5			6.94	8.25	
+50			6.90	8.33	
+75			6.46	8.77	
9			6.30	8.93	
+25			5.97	9.26	
+50			5.95	9.28	
+75			5.88	9.35	
10			5.73	9.50	
+25			5.68	9.55	

S line F Street

Dec 19 187

N. F. S.

Dec 20/87

Mendenhall
Summit

India St No 77.

11

Sta	+	Ht.	-	Elev
10+50		15.23	5.66	9.57
+75			5.82	9.41
11			5.79	9.44
+25			5.66	9.57
+50			5.64	9.59
+87½			5.86	9.37
12+25			5.56	9.67
Bm	5.42	15.91	4.74	10.49
+51			5.96	9.96
+75			6.06	9.86
13			6.25	9.66
+25			5.80	10.11
+50			5.35	10.56
+75			5.21	10.70
14			5.10	10.81
+25			4.81	11.10
+50			4.65	11.26
+75			4.61	11.30
15			3.94	11.97
+25			3.45	12.43

SJE

E 21

NS E 21

Bm + E Spk on 21 Feb Dec 23/87

L.S. 21

Munsterhall

Leonard Brouha de not 2002 97

Stk	+	Ht.	-	Plu
15	5.0	15.91	3.21	12.70
	+75		2.48	13.43
	16		2.65	13.26
	+25		3.67	12.24
	+50		2.27	13.64
Bm.	6.50	20.14	2.27	13.64
	+75		5.96	14.18
	17		5.53	14.61
	+25		5.26	14.88
	+50		4.91	15.28
	+75		4.75	15.39
	18		4.54	15.60
	+25		4.42	15.72
	+50		4.42	15.72
	+75		4.16	15.98
	19		3.92	16.22
	+20		3.94	16.20
	+40		3.96	16.18
	+60		3.51	16.63
	+80		4.76	15.38
	20		3.68	16.46

NJ 6 51

Get Brouha 18 Apr 1902 Dec 23/07

LJ B M

e 2

NJ e 31 - 1.5218.62 B M e + Brouha

Miravalles

13

Leonard Garcia Jr. - 11/2/2020

Sta	+	Hi	-	Elev
Bm	1.72	20.34		18.62
2425			3.85	16.49
+50			3.73	16.61
+75			4.22	16.12
21			4.51	15.98
+25			4.60	15.74
+50			4.62	15.72
+75			4.73	15.61
22			4.70	15.64
+25			5.07	15.34
+50			5.08	15.26
+75			4.93	15.41
23			5.08	15.26
+20			5.18	15.16
+40			5.47	14.87
Bm #	5.31	21.15	4.63	15.94
+80			5.72	15.43
24+05			6.12	15.09
+30			6.19	14.96
+55			5.92	15.23

at station
S. 20. Cut 100' from Road

S. B. 25

B. 51

Mendenhall

Lima India St. Nov 9 1905

Sta	+	Ht.	-	Elev
24+80		21.15	5.77	15.38
25+05			5.48	15.67
+30			4.46	16.69
+53			4.17	16.98
+80			3.90	17.25
26+05			3.54	17.61
+30			3.20	17.95
+53			2.95	18.17
+80			2.35	18.80
B.M. 646	26.17		1.44	19.71
27			7.40	18.77
+20			6.23	19.94
+40			7.10	19.07
+60			5.95	20.19
+85			5.43	20.74
28+10			5.50	21.17
+35			4.69	21.48
+60			4.62	21.55
+85			4.81	21.36
29+10			4.60	21.57

7.37

S.E.A. St.

D. 109 A S.E. St. 1st Pk.

S. St.

N.E. St.

Mendocino

Lunara India 21-11-06 2 22.35

Sta	+	Hi.	-	Elu
29.35		26.17	4.17	22.00
+60			3.85	22.32
+85			3.62	22.55
30+10			3.75	22.32
+35			3.93	22.24
Bm			3.82	22.35

India 21-11-06 2 22.35

Atlantic St. No. 12

Sta	+	Hi.	-	Elev
B.M.	4.97	4.97		-0.10
1			3.76	1.91
+25			4.21	0.66
+50			4.99	-0.12
+75			5.09	-0.22
2			4.43	+0.42
+25			4.81	+0.56
+50			4.90	+0.57
+75			4.42	+0.45
3			4.49	+0.39
+25			4.52	+0.35
+50			4.60	+0.27
+75			4.74	+0.13
4			3.89	+0.99
+37½			4.32	+0.55
+75			4.43	+0.44
#B.M.	4.29	4.54	4.62	+0.25
5			4.28	+0.26
+25			4.90	+0.24
+50			4.34	+0.20

Atlantic St.

A. L. S. St.

B. St.

N. L. S. St.

NW Corner of St. Atlantic St.

Mendocino

Dec 28/37

18

Leeward Atlantic 21 N. H.

Sta + Mi - Elev

5+75 4.54 4.25 +0.99

6 4.20 +0.84

+25 4.23 +0.31

+30 4.51 -

+75 4.66 -0.39

7 4.20 +0.07

+25 4.86 -0.22

+60 5.27 -0.73

+75 4.55 -0.01

8+725 4.14 +1.50

+50 4.23 +0.31

P.M. 3.63 4.27 3.40 +0.74

S.F. 91
F. 91
A. 2 F. 91

Atlantic St No 14

Sta	+	Hs.	-	Elev
Bm.	41.33	41.59		0.25
4+75			41.14	0.44
5			41.33	0.25
+25			41.33	0.25
+50			41.34	0.24
+75			41.40	0.18
6			41.30	0.29
+25			41.25	0.33
+50			41.27	0.31
Bm.	6.76	7.05		0.29
1+75			6.60	1.45
2			6.60	1.55
+25			6.45	1.60
+50			6.27	1.78
+75			6.42	1.63

6.22.083

Bsm

Leonard Atlantic Sl-NM# 1-10-8

Sta	+	+	-	Plu
Bsm	5.20	5.94		0.74
8+75			5.55	0.39
9			5.84	0.10
+25			5.86	0.38
+50			5.17	0.77
+75			5.20	0.74
10			4.93	1.00
+25			4.95	0.99
+50			4.89	1.05
+75			4.81	1.13
11			4.87	1.07
+25			4.68	1.26
+50			4.79	1.15
+87½			5.26	0.68
12+25		6.40	4.83	1.67
Bsm.	6.64	6.40	5.42	0.24
+50			4.46	1.94
+75			5.84	0.56
13			6.09	0.31
+25			6.20	0.26

Atlantic Sl

J E Sl
F Sl

N. C. E. Sl.

Atlantic Sl NM. Sl. 1st Plu.

S.M.

L.S. Atlantic St. No. # 1-12-88

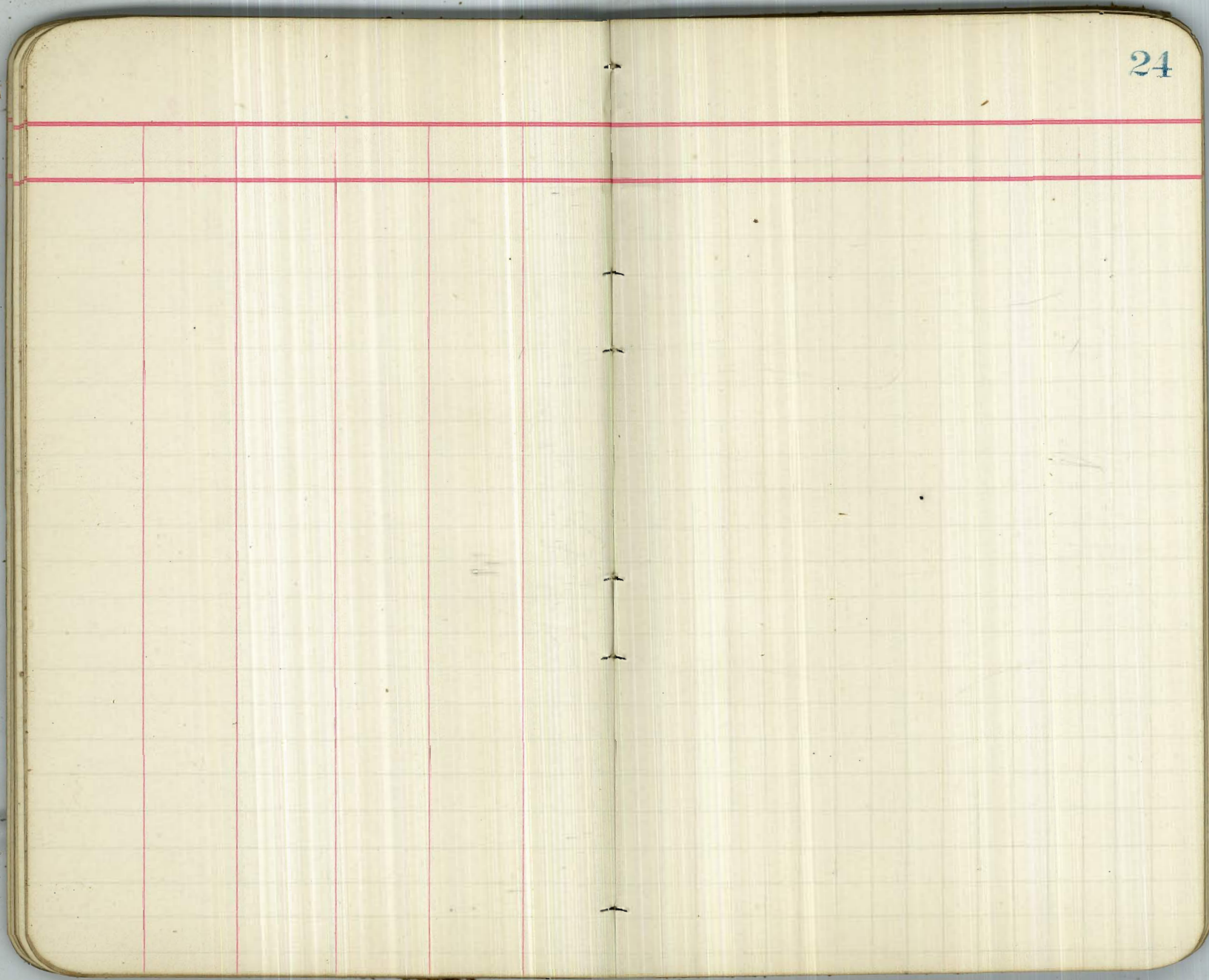
Sta	+	H.S.	-	Elev
13+50		6.40	5.52	0.88
+ 75			4.63	1.77
14			5.70	0.70
+ 25			6.47	-0.07
+ 50			5.38	+1.02
+ 75			5.40	+1.00
15			5.49	0.91
+ 25			5.36	1.04
+ 50			6.79	-0.39
+ 75			6.77	-0.37
16			6.93	-0.53
+ 25			6.28	-1.78
+ 50			6.55	-0.15
I.P.	5.44	8.44	3.40	3.00
B.M.			0.90	7.54

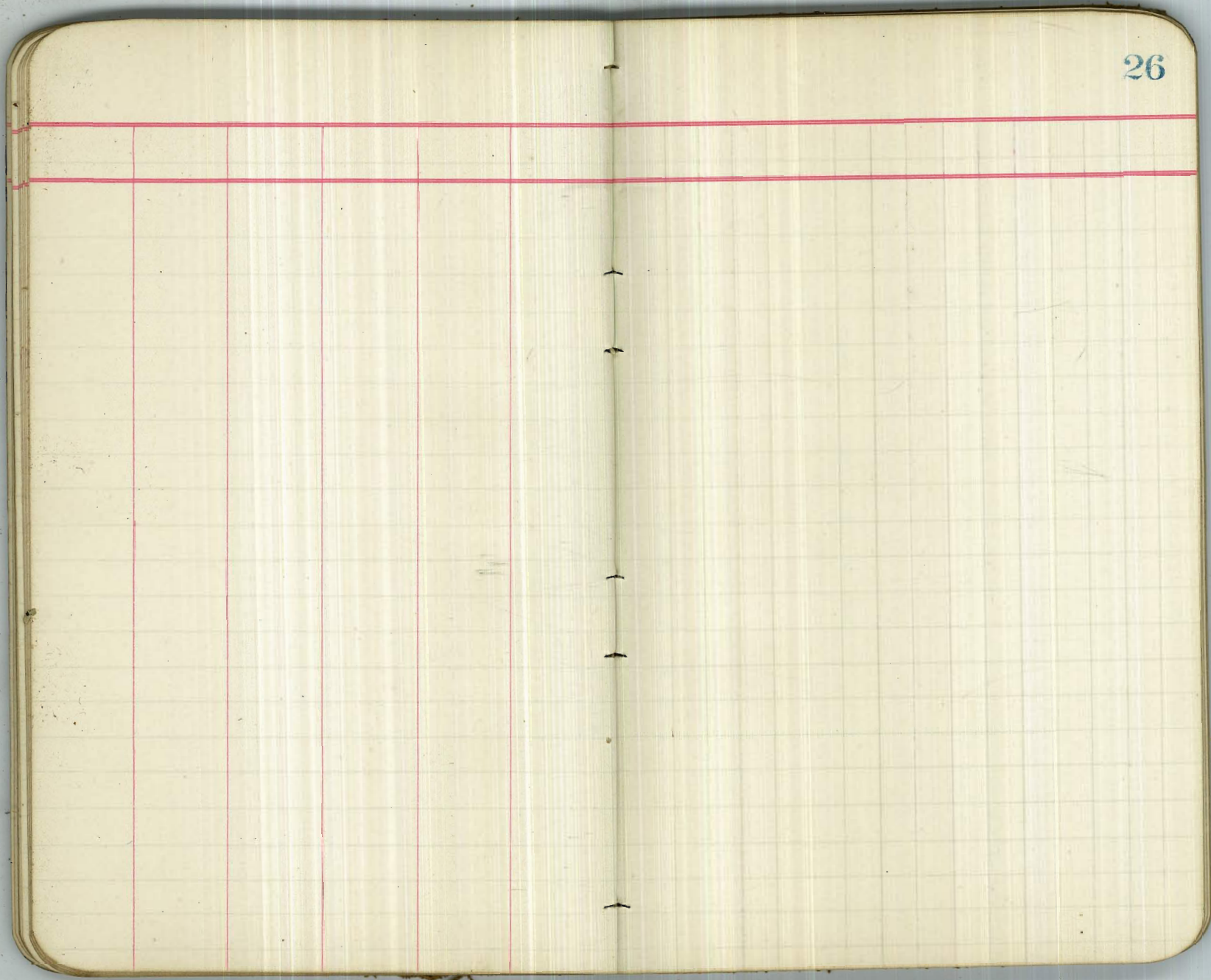
S.S.

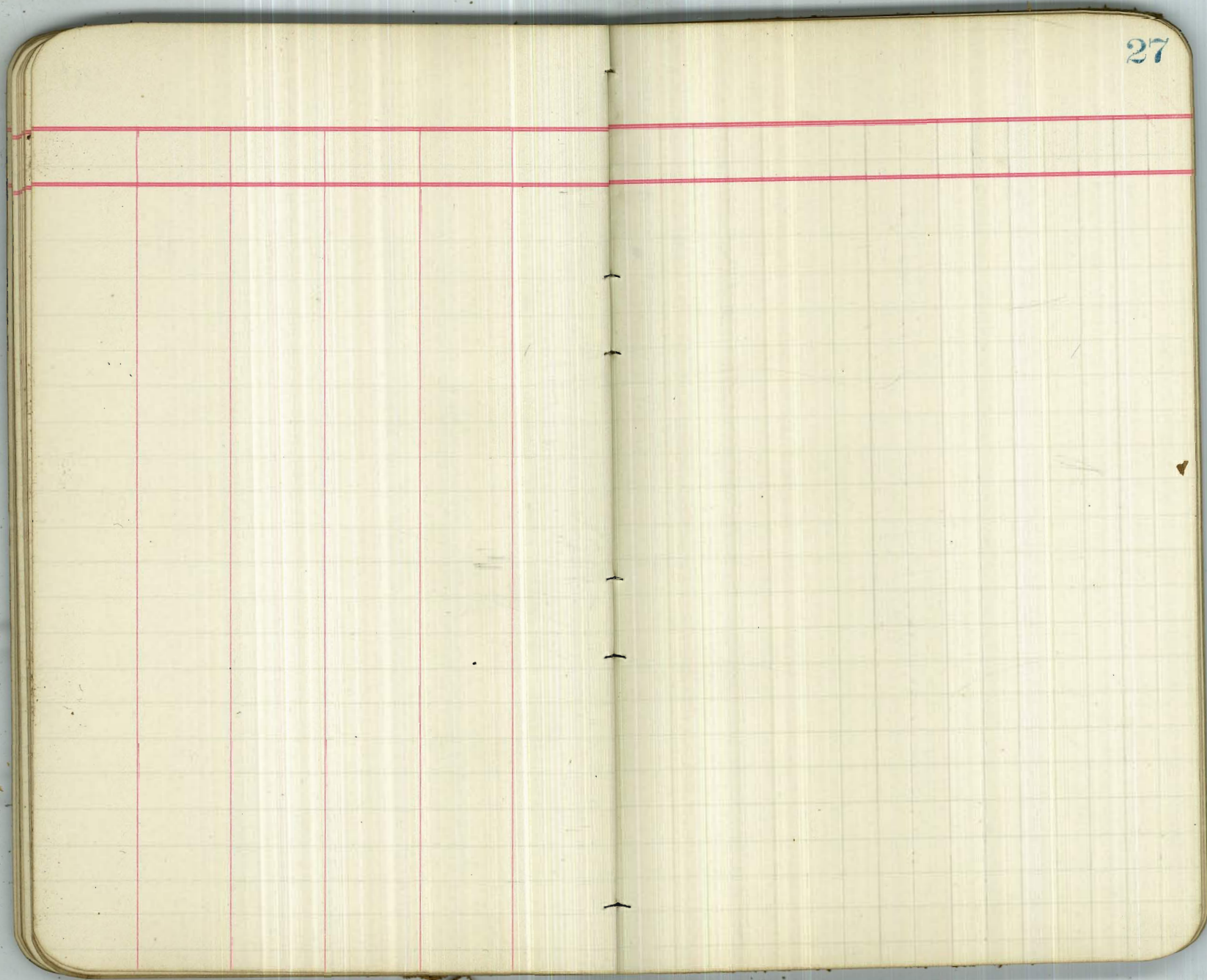
N.L. S.S.

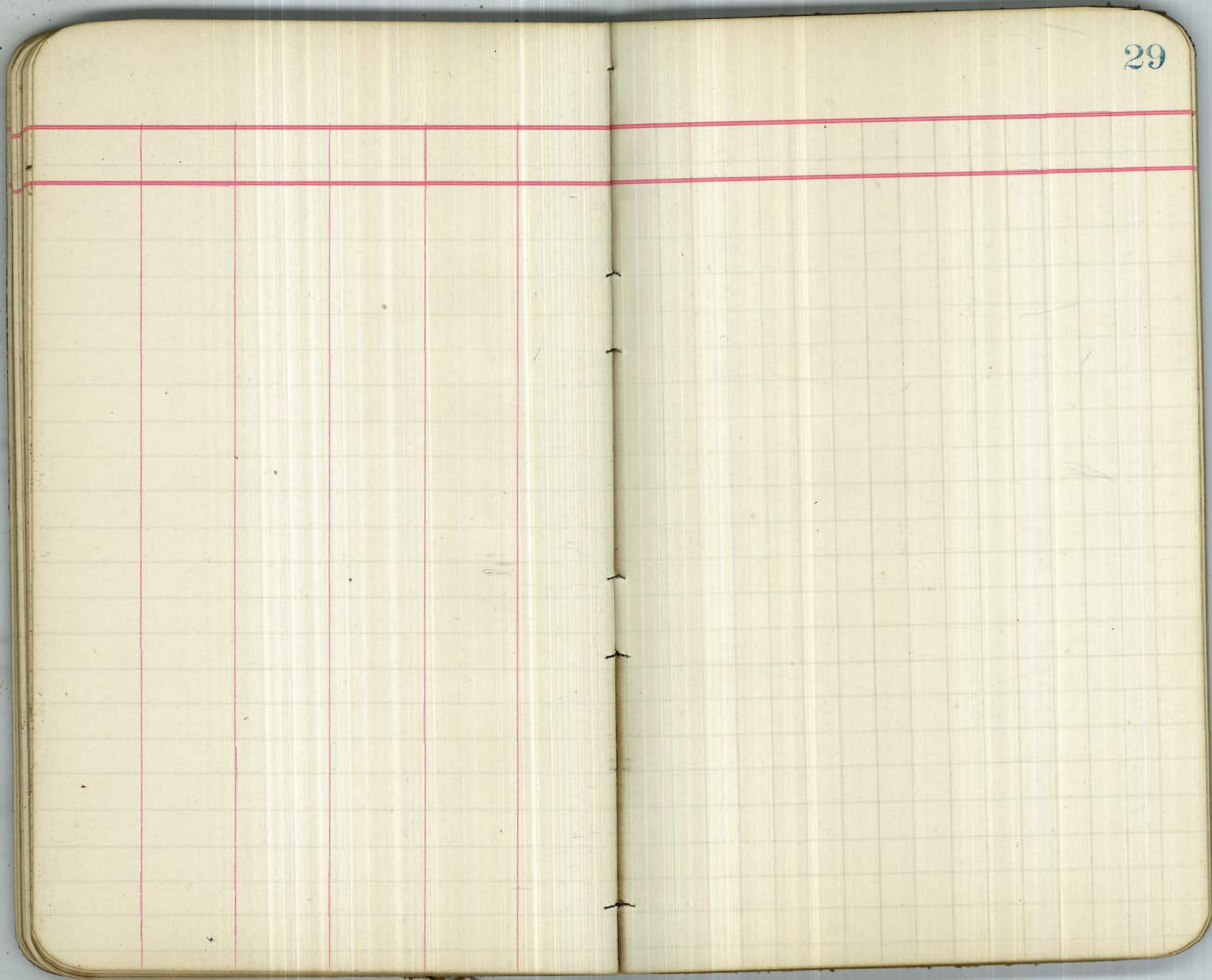
S.S. Columbia Spk in S.S. Pass

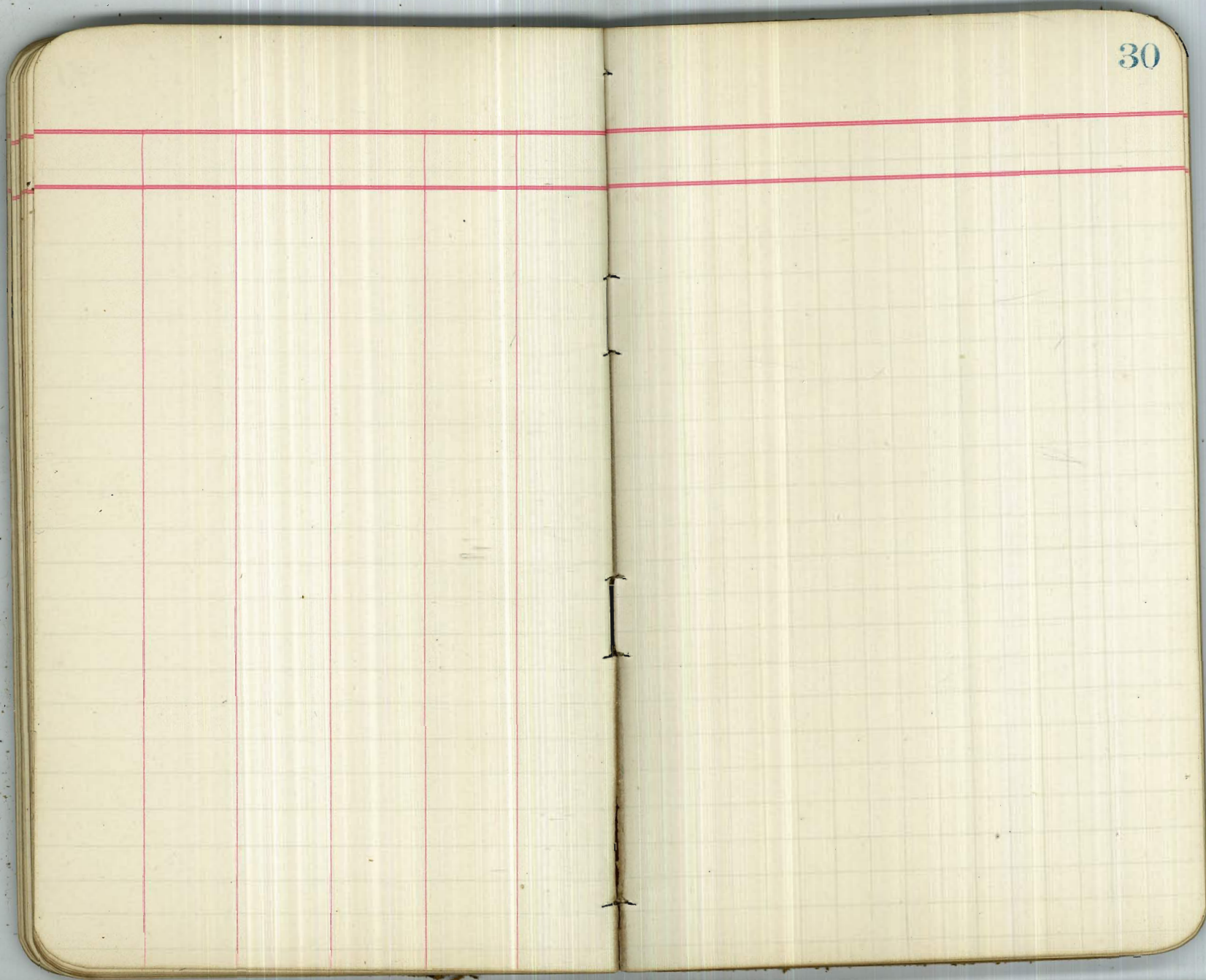
The image shows an open notebook with two pages. The left page is ruled with a grid and features four vertical red lines, creating five columns. The right page is also ruled with a grid and has the number '23' printed in the top right corner. The notebook is bound in the center with visible stitching. The pages are a light cream color and show some signs of age and wear.

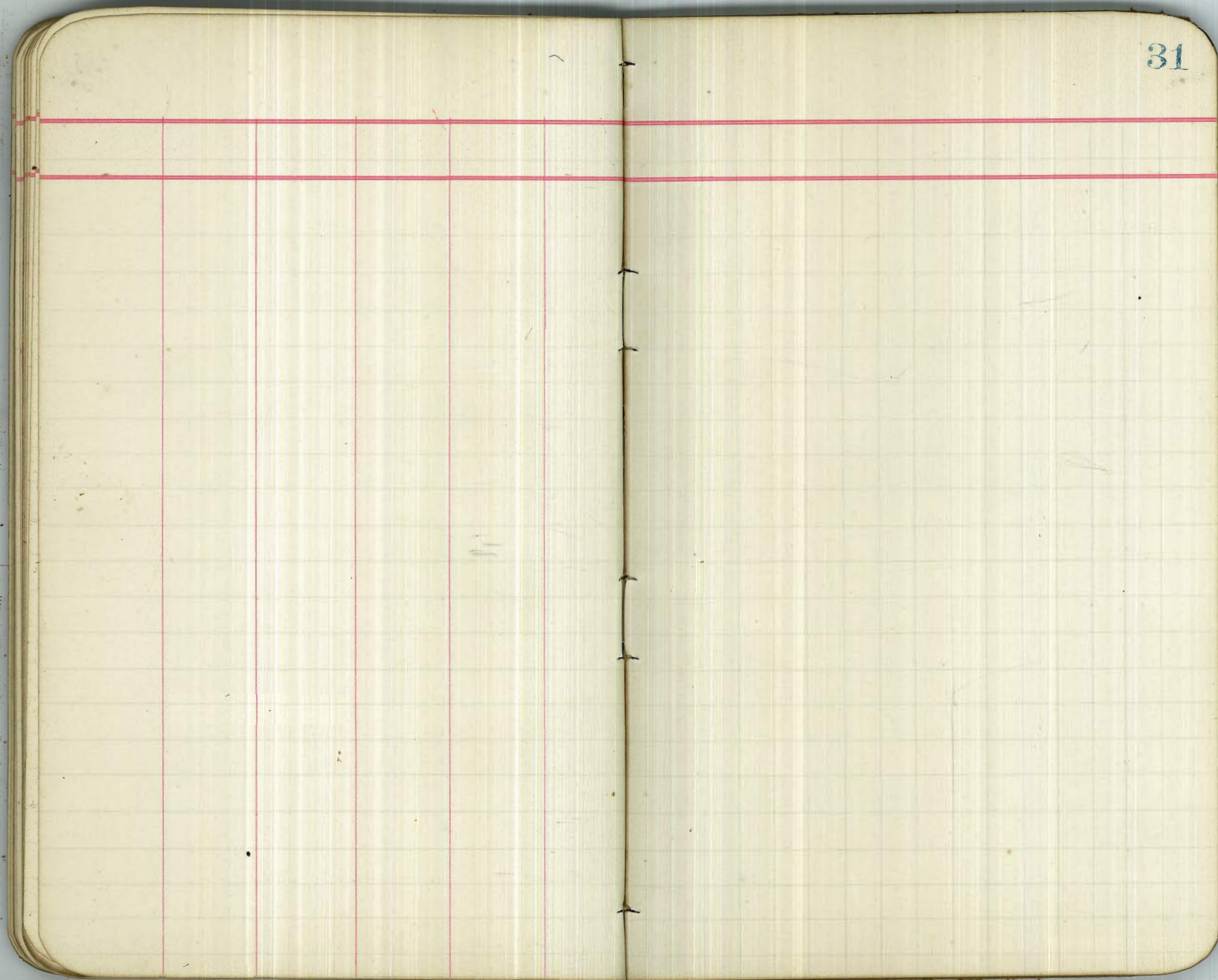












L.M.

Arctic M. Mt. 4-16-88

Sta + Hgt. - Elev.

B.M. 7.99 7.13 -0.86

S.C. Arctic Mt. 4-16-88

1 7.17 -0.04

+25 7.20 -0.07

+50 6.43 +0.70

+75 6.25 +0.88

2 6.07 1.06

+25 5.78 1.35

+50 5.45 1.68

+75 5.16 1.97

3 5.15 1.98

+25 4.76 2.37

+50 4.53 2.60

+75 4.65 2.48

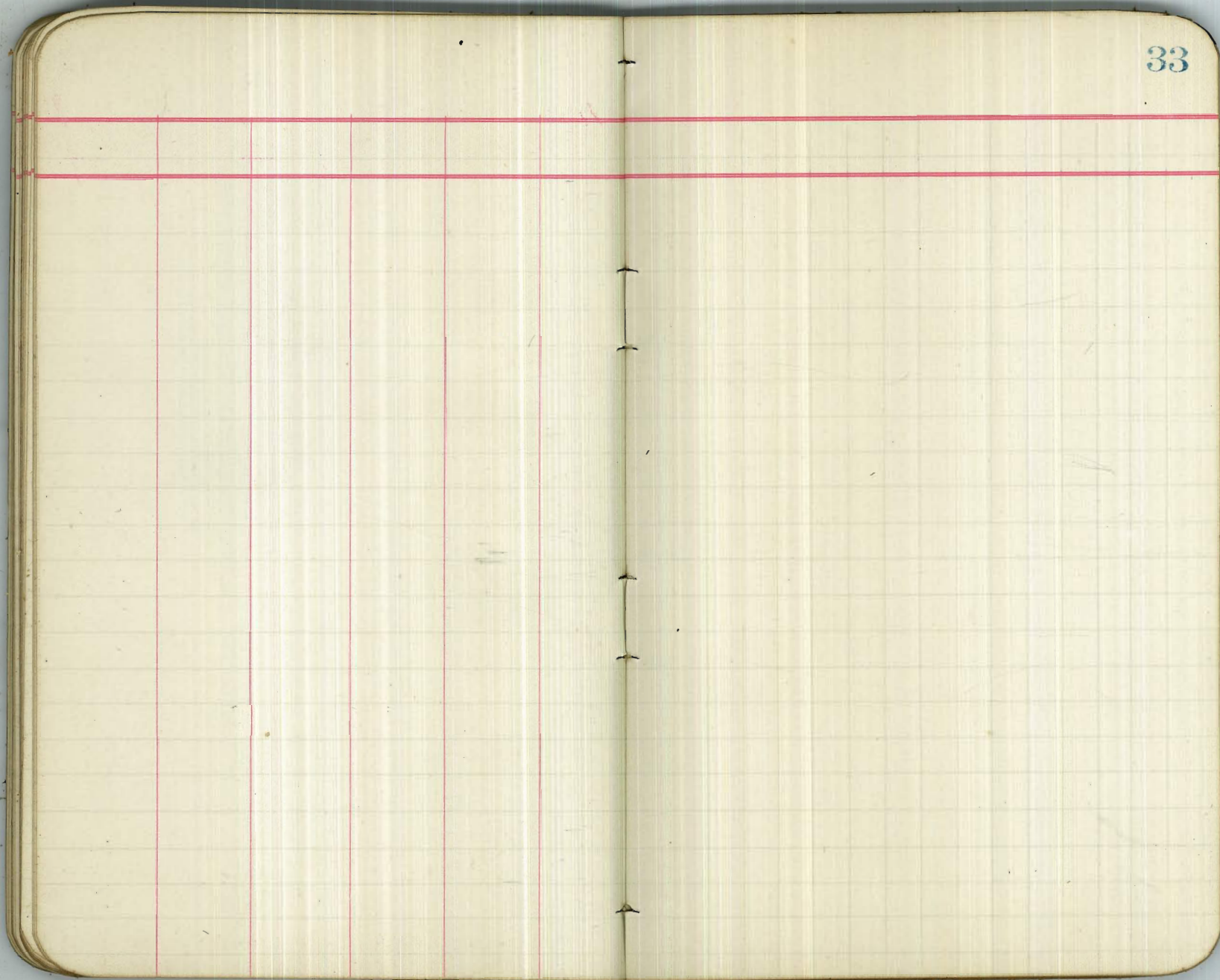
4 4.40 2.73

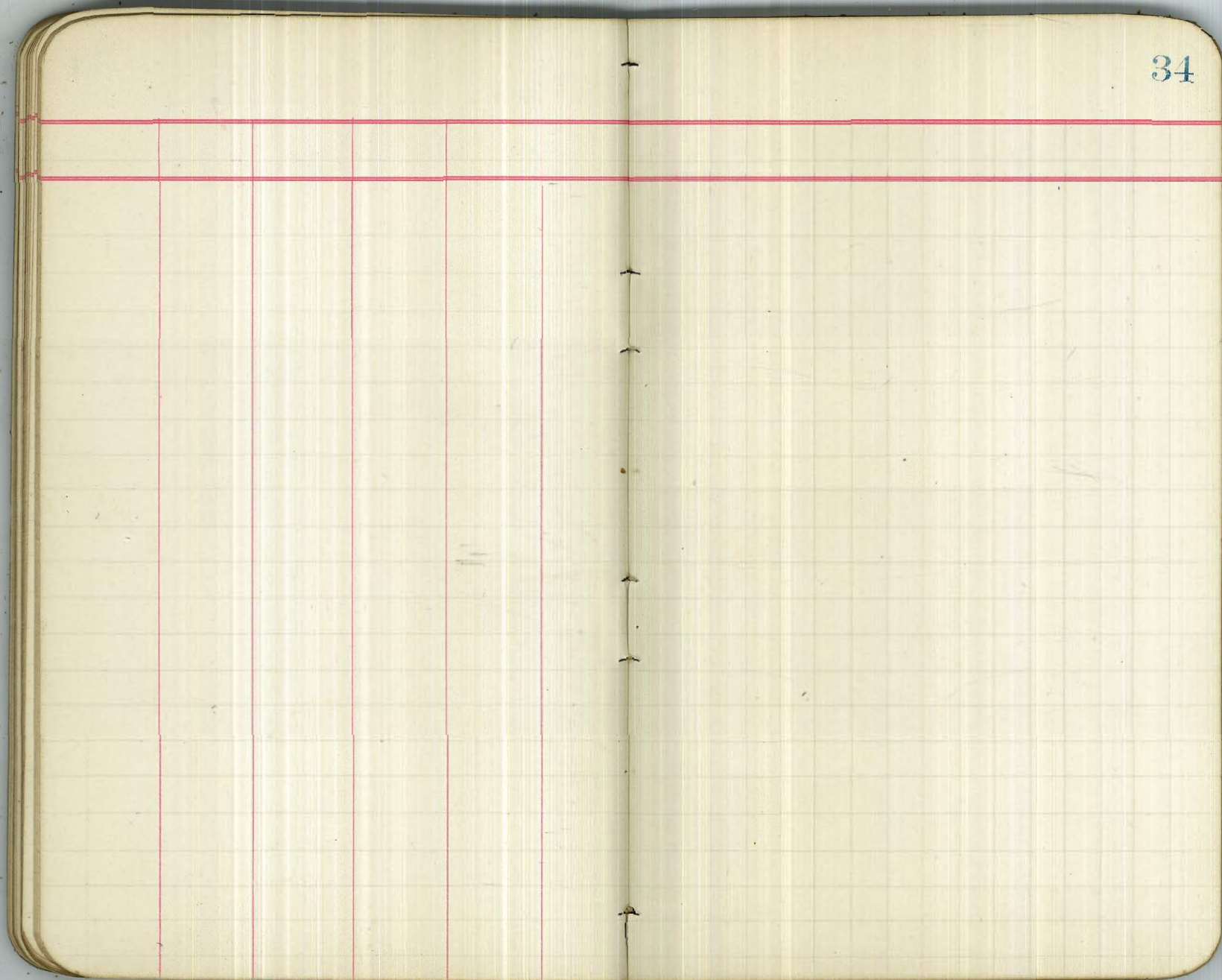
+37 1/2 3.74 3.39

+75 3.65 3.48

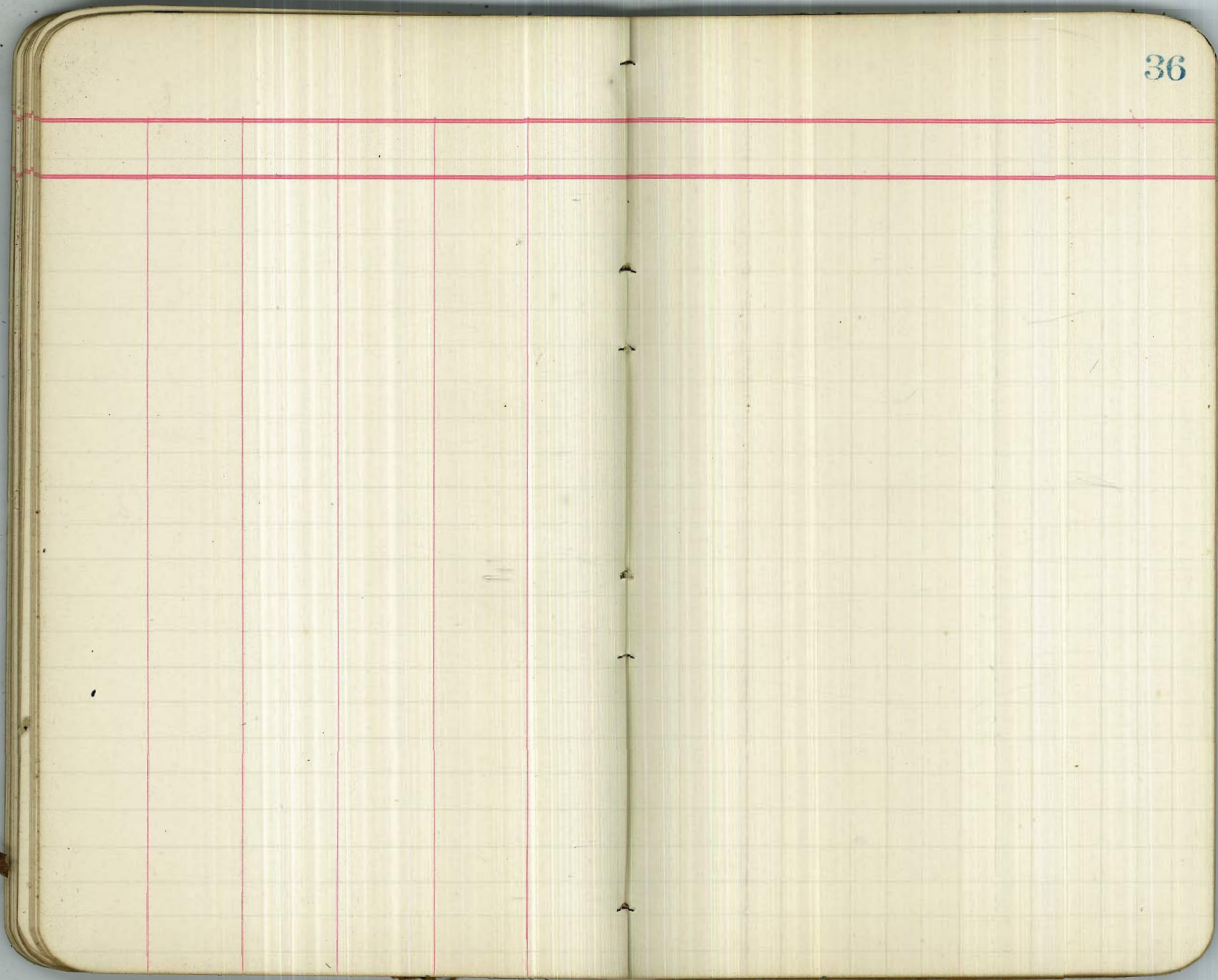
B.M.I.P. 4.17 2.96

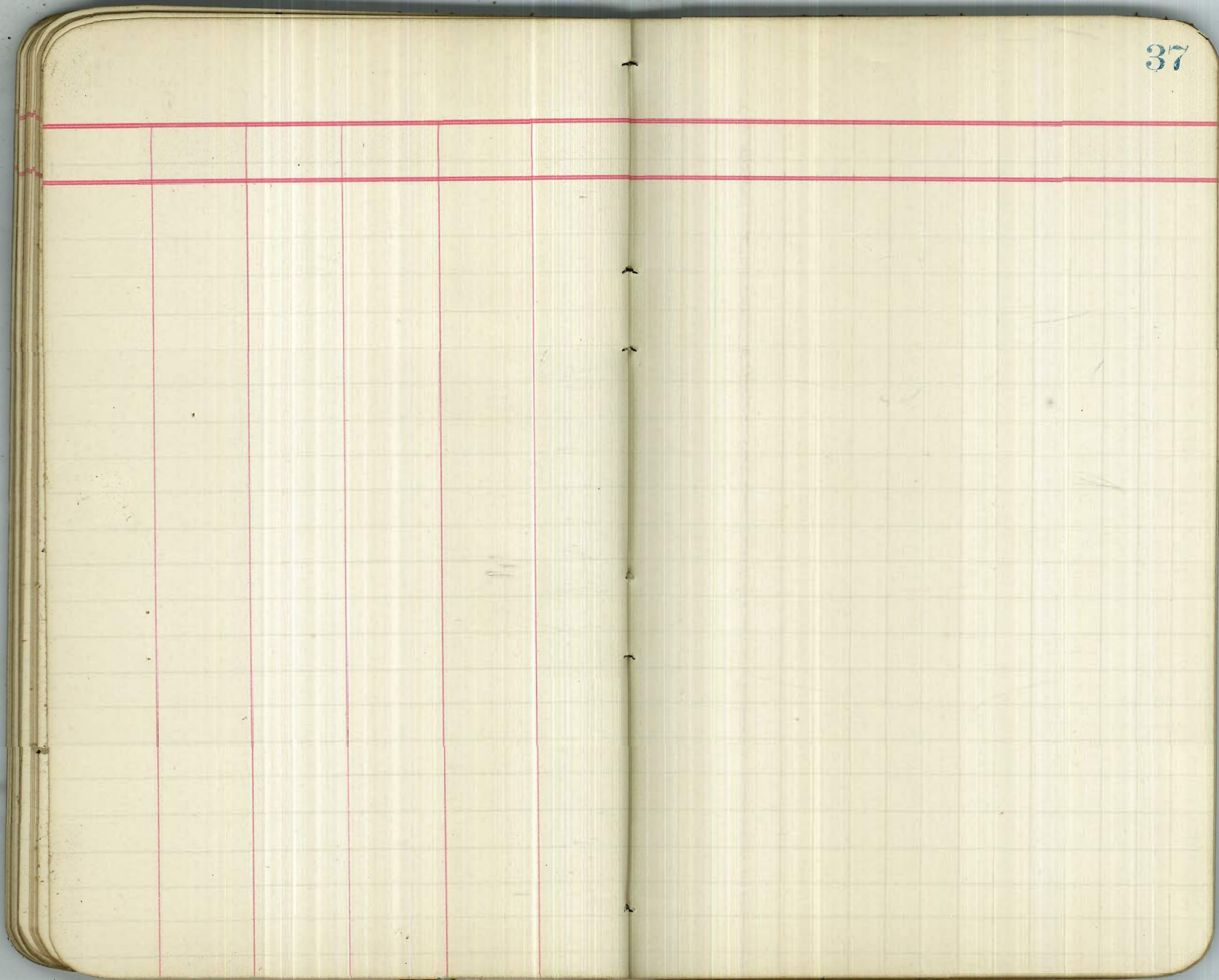
Arctic M. Mt. C.R.R. Post

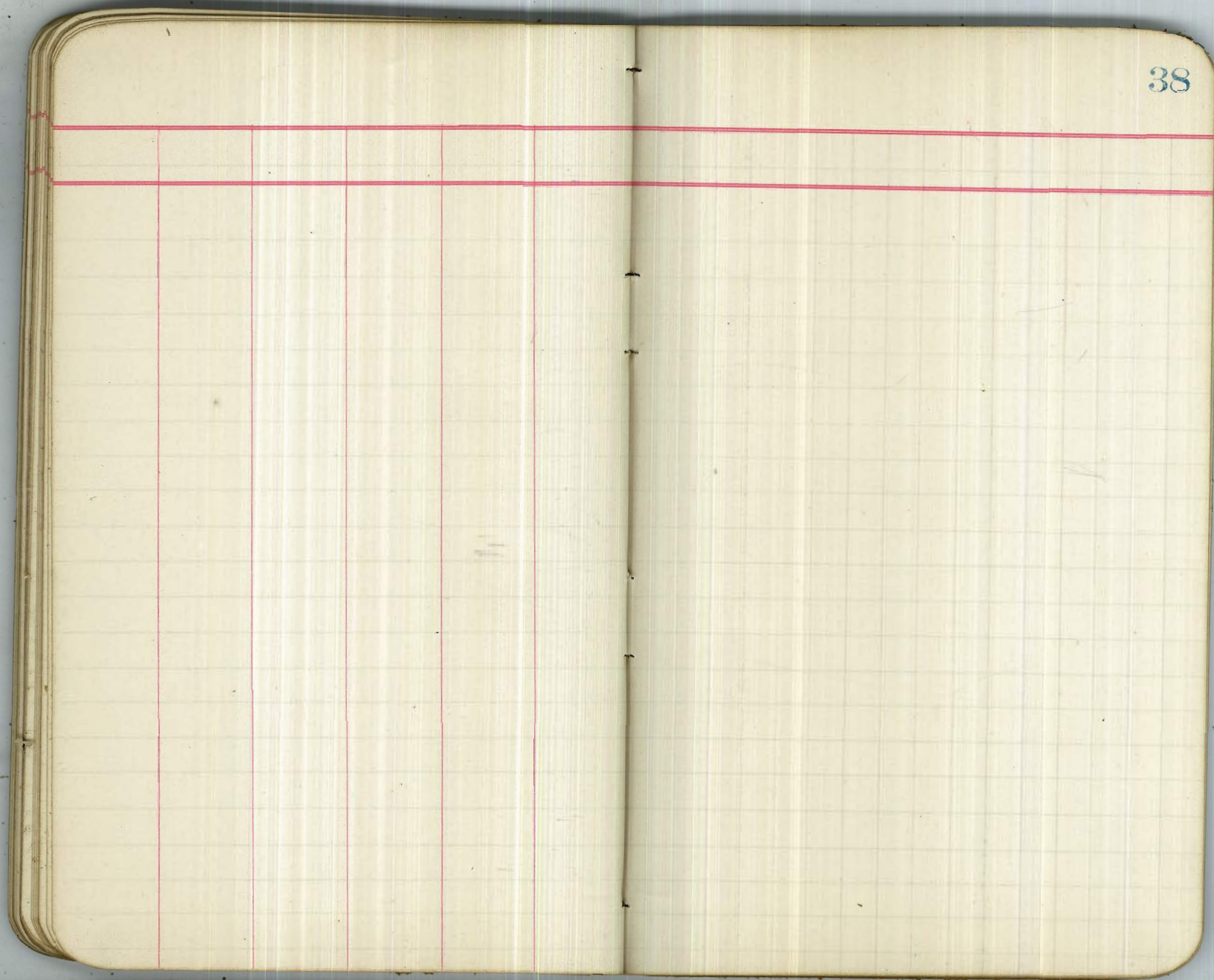




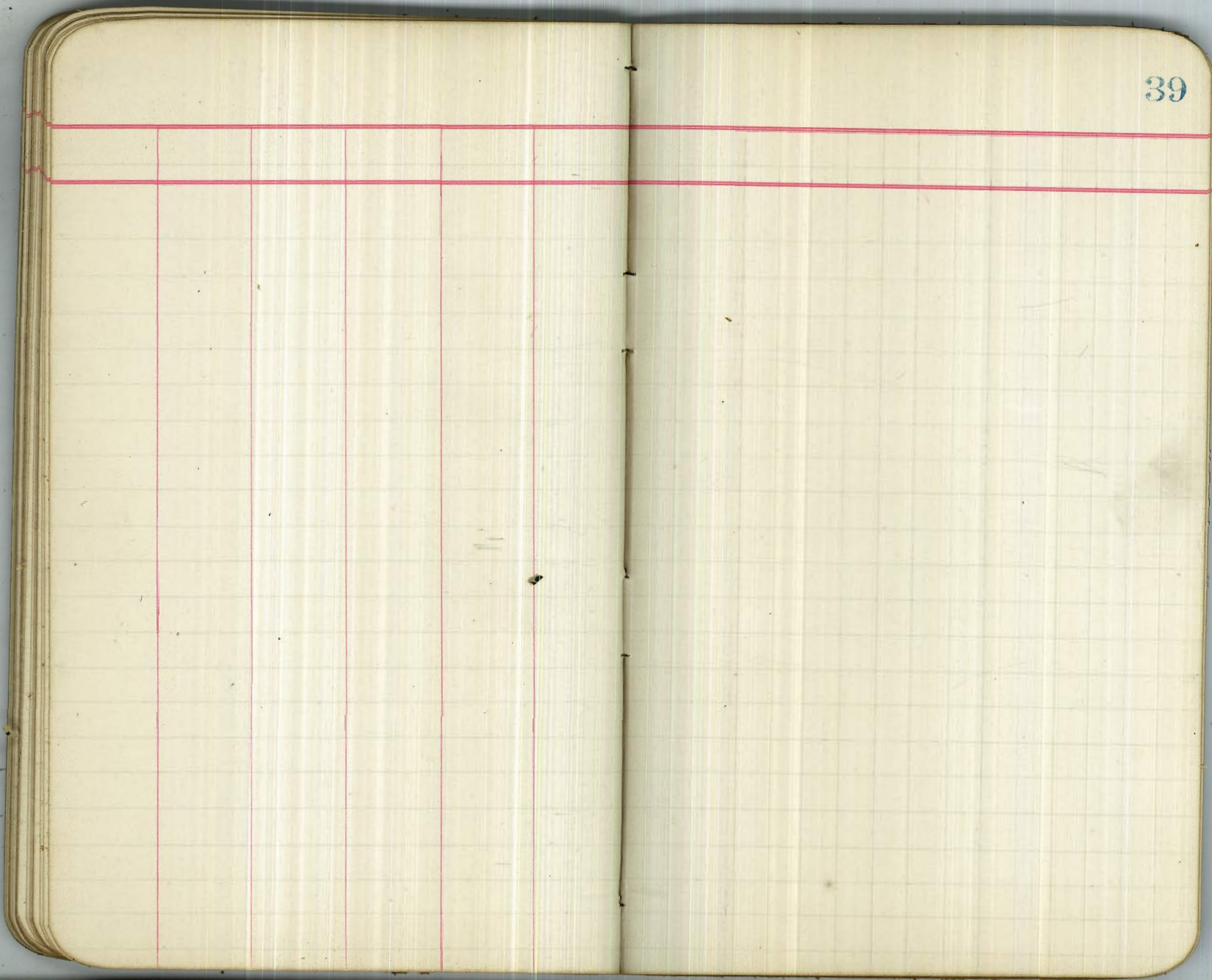
The image shows an open notebook with two pages. The left page is ruled with a grid of light blue lines. Two vertical red lines are drawn on the left side of the page, creating three columns. The right page is ruled with horizontal light blue lines but does not have a grid. The notebook is bound in the center with visible stitching. The page number '35' is printed in the top right corner of the right page.

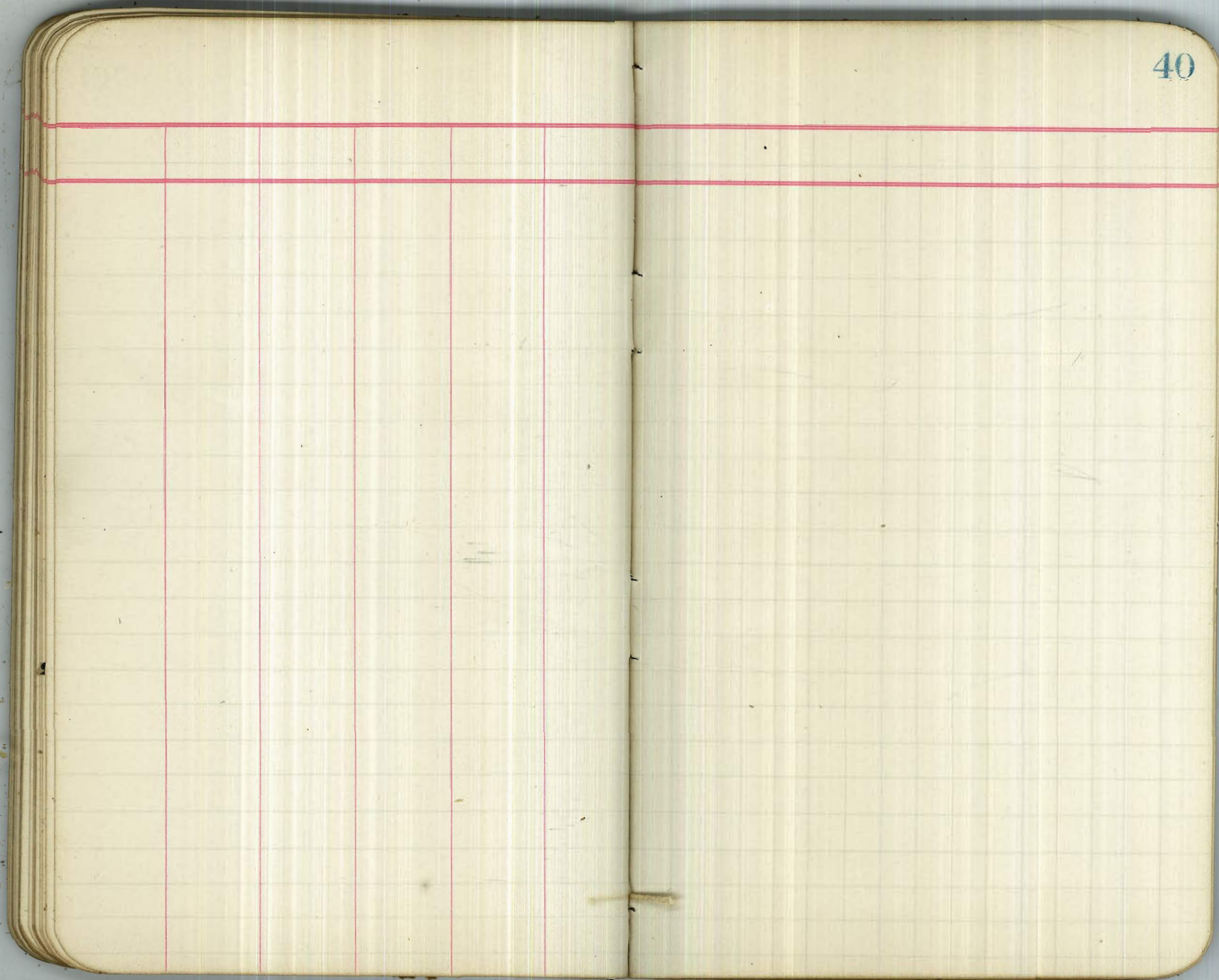






39



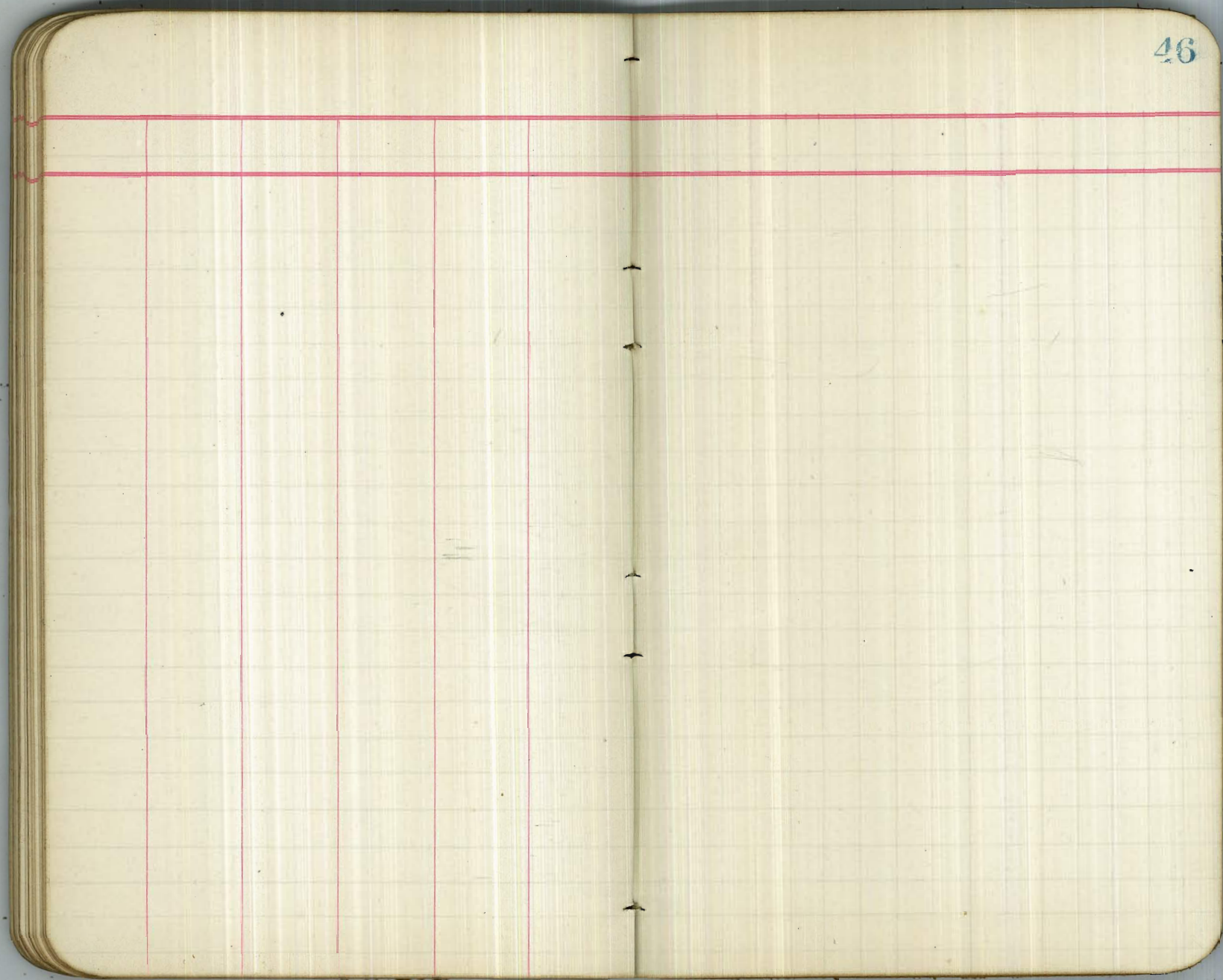


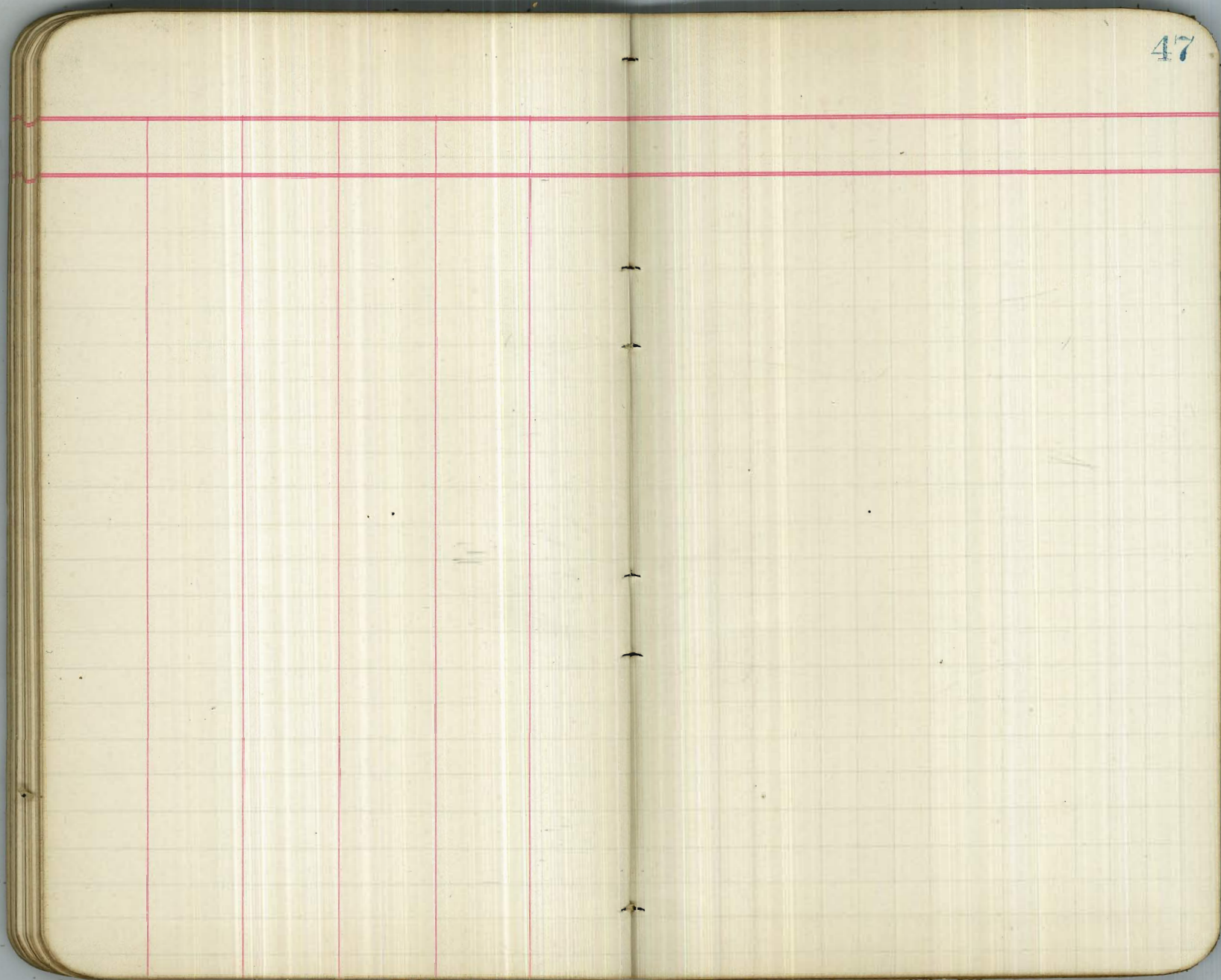
210
25

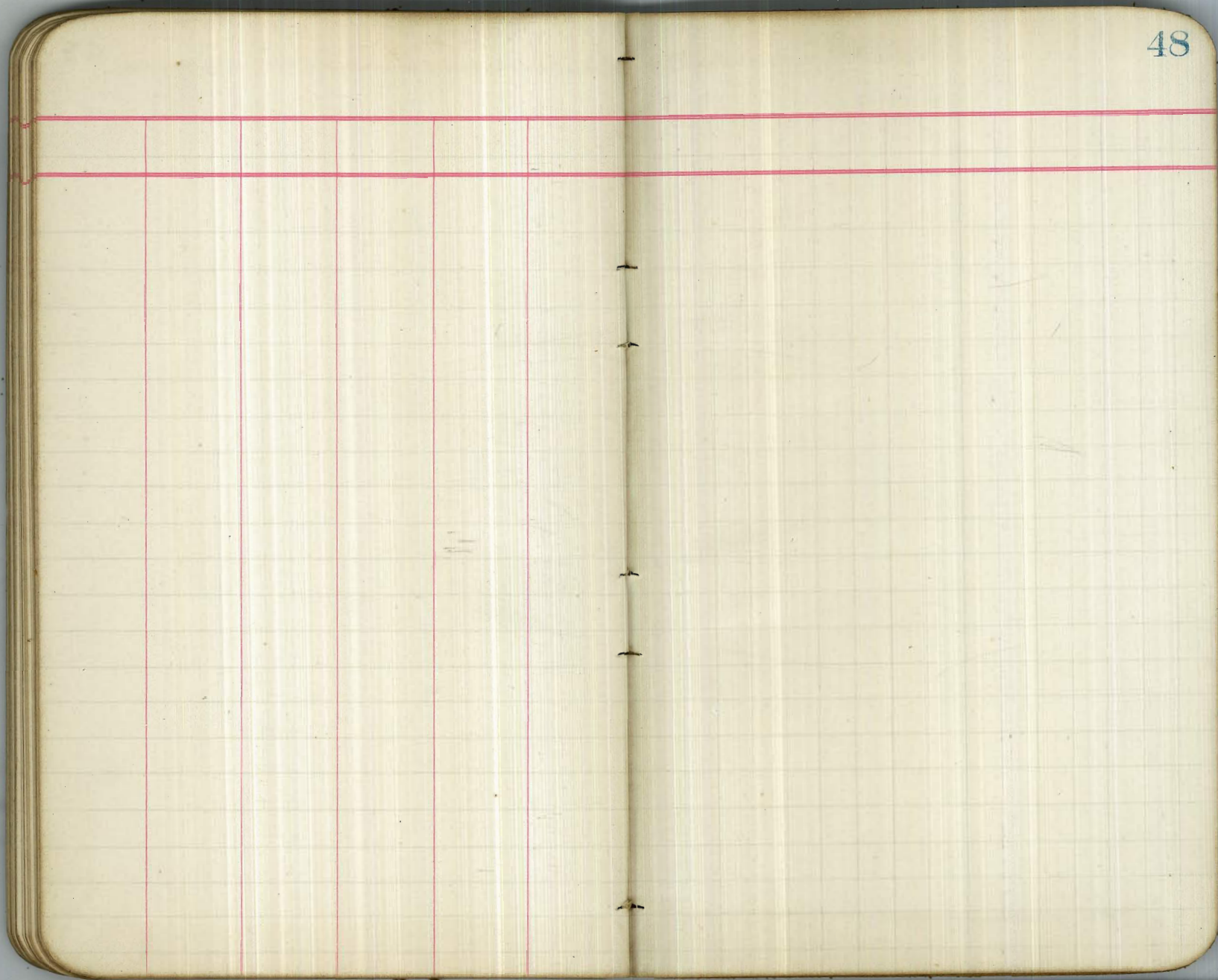
The image shows an open notebook with two pages. The pages are cream-colored and feature light blue horizontal ruling. The left page has a red margin line on the left side and a red header line near the top. The right page has a red header line near the top. The notebook is bound in the center, and the pages are slightly aged. The number '42' is printed in blue in the top right corner of the right page.

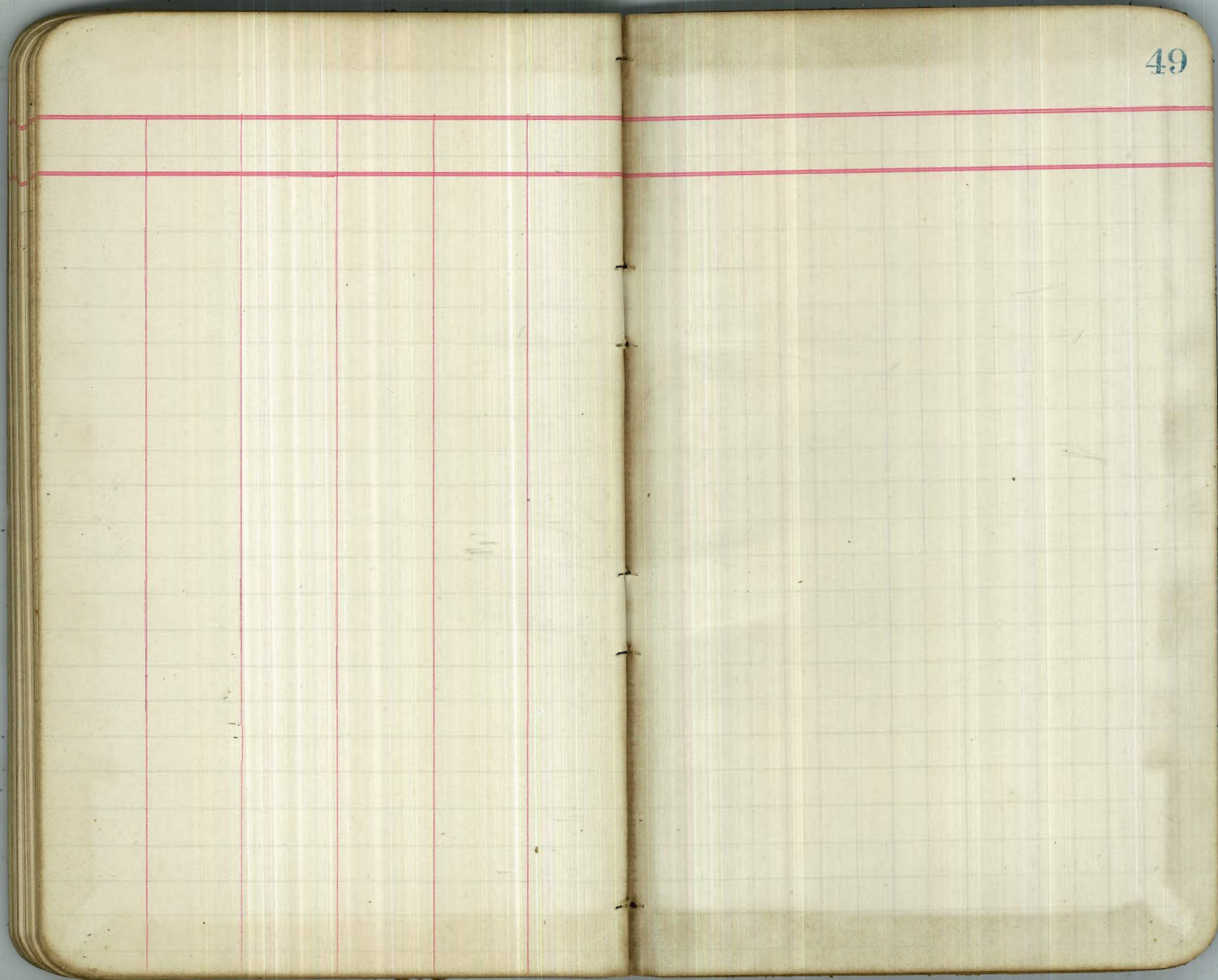
The image shows an open notebook with two pages. The left page is ruled with a grid and has five vertical red lines, creating six columns. The right page is ruled with a grid and has the number 43 printed in the top right corner. The notebook is bound in the center, and the pages are slightly aged and yellowed.

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 five vertical lines that divide the page into six columns of varying widths. The right page is a standard grid page with a uniform grid of light blue lines. The notebook is bound in the center with visible stitching. The page number '45' is printed in the top right corner of the right page.









50.21
 549.9
 48.0
 50.16
 12.05
 27.4
 9.27
 417.03
 12.08
 4.95
 7.15
 2490
 43.6
 20.54
 20.58
 52.08
 37.52
 47.00
 52.18
 2.80
 5.028
 47.00
 3.28

64.30/4.16
 5.94
 58.36/3.49
 3.51
 98
 17.64
 13.51
 14.13
 37.52
 11.40
 26.12
 21.50
 3.80
 17.70
 A SE

Back BM

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	81
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	81
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	81
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	81
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	81
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	81
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	81
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	81
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	71
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	71
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	71
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	71
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	71
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	71
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	71
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	71
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	61
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	61
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	61
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	61
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	61
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	61
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	61
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	61
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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