

*City Sewers  
Arctic Street*

9

TRANSIT

**F.B.675**

675

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	40	37	86½	57	133
18	42	38	88½	58	135½
19	44½	39	91	59	137½
20	46½	40	93½	60	140

PUBLISHED BY

**EDWARD DENNY & CO.**

DRAWING PAPER & MATERIAL, MATHEMATICAL INSTRUMENTS, ETC.,  
STATIONERS AND PRINTERS,

SAN FRANCISCO, CAL.

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.
0		0		0		0	
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

Mendenhall

Miller Arctic Street July 18/87

1

Sta	+	H.S.	-	Elev
B.M.	5.10	7.20	.	2.10
3+50			6.64	0.56
0			7.55	-0.35
+50			6.23	0.97
1			5.79	1.41
+50			5.07	2.13
2			4.61	2.59
+50			4.24	2.96
3			4.75	2.45
+37.6			3.47	3.73
0			4.11	3.09
+50 #	5.50	9.68	3.02	4.18
1			5.01	4.67
+50			4.89	4.79
2			4.74	4.94
+50			4.88	5.30
3			4.19	5.49
+37.5			3.79	5.89
0			4.05	5.63
+50			4.00	5.68
1			3.64	6.04

N.W. cor H + Arctic  
H Street

G Street

F Street

L.M.  
Miller

Arctic Street July 19/87

2

Sta	+	H.F.	-	Elev
1+50		9.68	3.15	6.53
2 #	4.81	11.85	2.64	7.04
B.M.			4.80	7.05
2+50			4.88	6.97
3			4.19	7.66
3+37.5			4.07	7.78
0			3.67	8.18
+50			3.14	8.71
1			2.99	8.86
+50 #	5.66	14.78	2.73	9.12
2			5.43	9.55
+50			5.04	9.74
3			4.80	9.98
3+62.5			3.92	10.86
0			4.19	10.59
+50			4.35	10.43
7			4.21	10.57
+50			3.96	10.82
2 #	5.16	15.95	3.99	10.79
2+50			5.36	10.59
2+70			5.32	10.63

N.E. on Arctic + E. STS

E. Street

D. Street

D.C.M. Level

S.M. Rod

Arctic Street July 18/1888

3

Sta	+	H.F.	-	Elev	B.R.	
B.M.		15.95	1.40	14.55	14.69	S.E. cor C. + Arctic
		15.99	1.40	14.59		
8+10				4.98	11.01	C. Street.
0				4.75	11.24	
+50				4.67	11.32	
1				4.52	11.47	
+50				4.62	11.37	
2				4.70	11.29	
+50 #	4.20	15.85		4.34	11.65	
3				4.28	11.57	
+40				3.96	11.89	B. Street
0				4.52	11.33	
B.M.				4.80	11.05	11.05
0+50				4.54	11.31	200' N. N.W. corner of B. + Arctic
1				4.42	11.43	
+50				4.57	11.28	
2 #	8.85	19.93		4.77	11.08	
+50				8.23	11.70	
3:				7.16	12.77	
+40				6.32	13.61	A. Street.
0				5.70	14.23	

256 M Level

9. m. Rod

4

Arctic Street July 18/78

Sta	+	H. F.	-	Elev.		
B.M.		19.93	5.03	14.90	14.87	N.W. cor Arctic
0+50			5.78	14.15		
1			5.06	14.87		
+50			4.35	15.58		
2			3.89	16.04		
+50			3.26	16.67		
3			3.33	16.60		
B.M.#	5.48	22.96	2.03	17.90	17.88	S.E. corner Ash + Arctic
3+40			5.92	16.34		Ash Street
0			6.54	15.82		
+50			5.78	16.58		
1			4.84	17.52		
+50			4.10	18.26		
2			3.52	18.84		
+50			2.91	19.45		
3			2.47	19.89		
+40			1.56	20.90		Beech Street
0			2.51	19.85		
B.M.	7.29	30.96		23.67		N.W. corner Beech + Arctic
+50			9.48	21.48		
1			8.85	22.11		

L.M. Level

F.M. Rod

Arctic Street July 18/87

Sta.	+	H.S.	-	Obs.
------	---	------	---	------

1+50		3 0.96	8.27	22.69
2			6.68	24.28
+50			5.98	24.98
3			5.36	25.60
4+40			4.05	26.91
0			3.68	27.28
+50			3.06	27.90
1			3.09	27.87
+50#	4.25	32.38	2.88	28.16
2			4.27	28.11
+50			4.25	28.13
3			3.53	28.85
+40			2.50	29.98
H.M.			1.79	30.59 30.68

Cedar Street.

Date Street  
S.E. cor. Date & Arctic

Grape

1+64 66

+88 90

1+140 165

+89.5 91.5

2+42 inspice

2+50 2+54 8+6 78 for Aratio

3+15 3+17

+39 +41

4+14 4+16

5+17 inspice west India

5+38 JS India

5+33 X N "

6+15 6+17

+89.5 +91.5

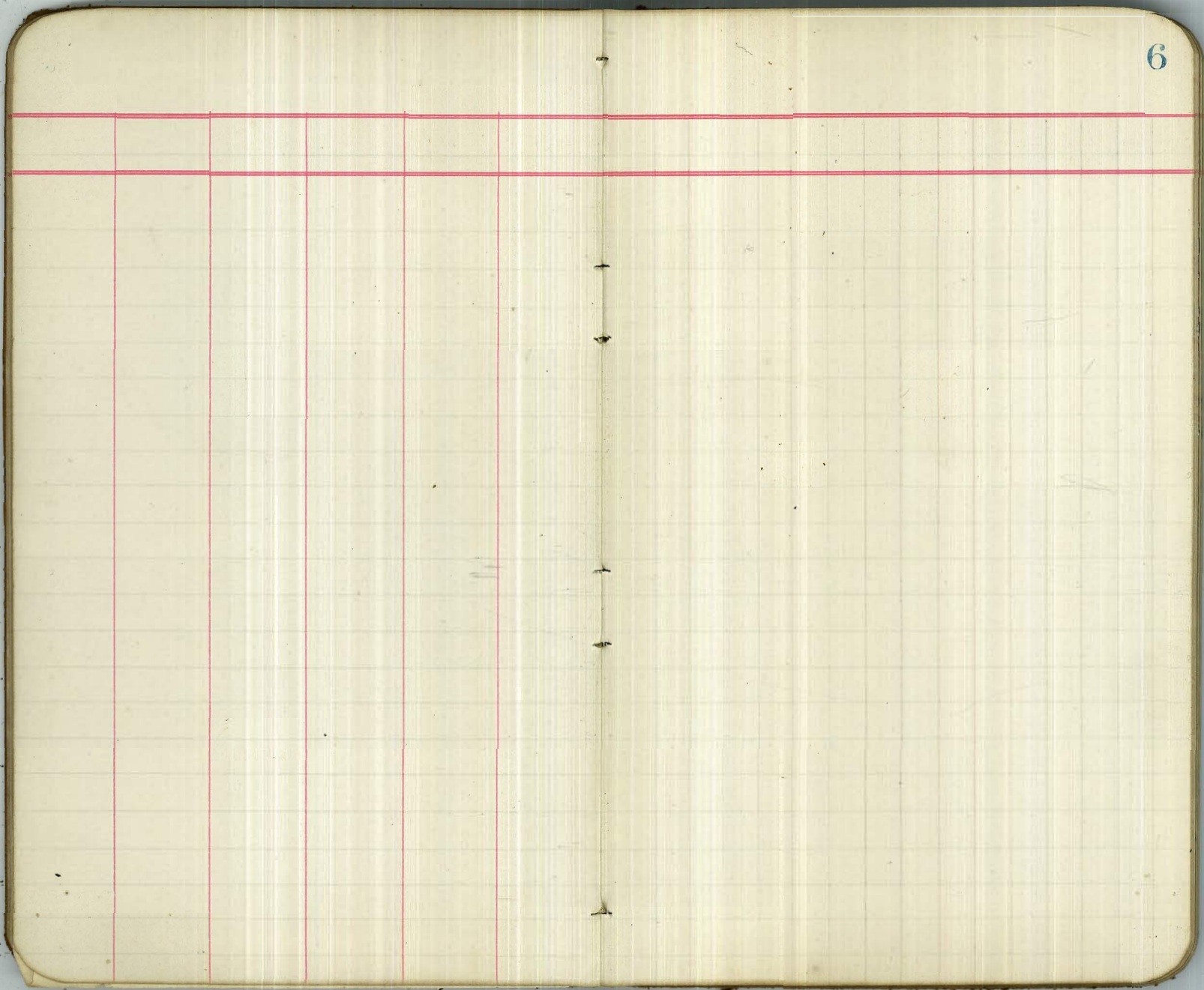
7+92 inspice

8+07 JS Columbia

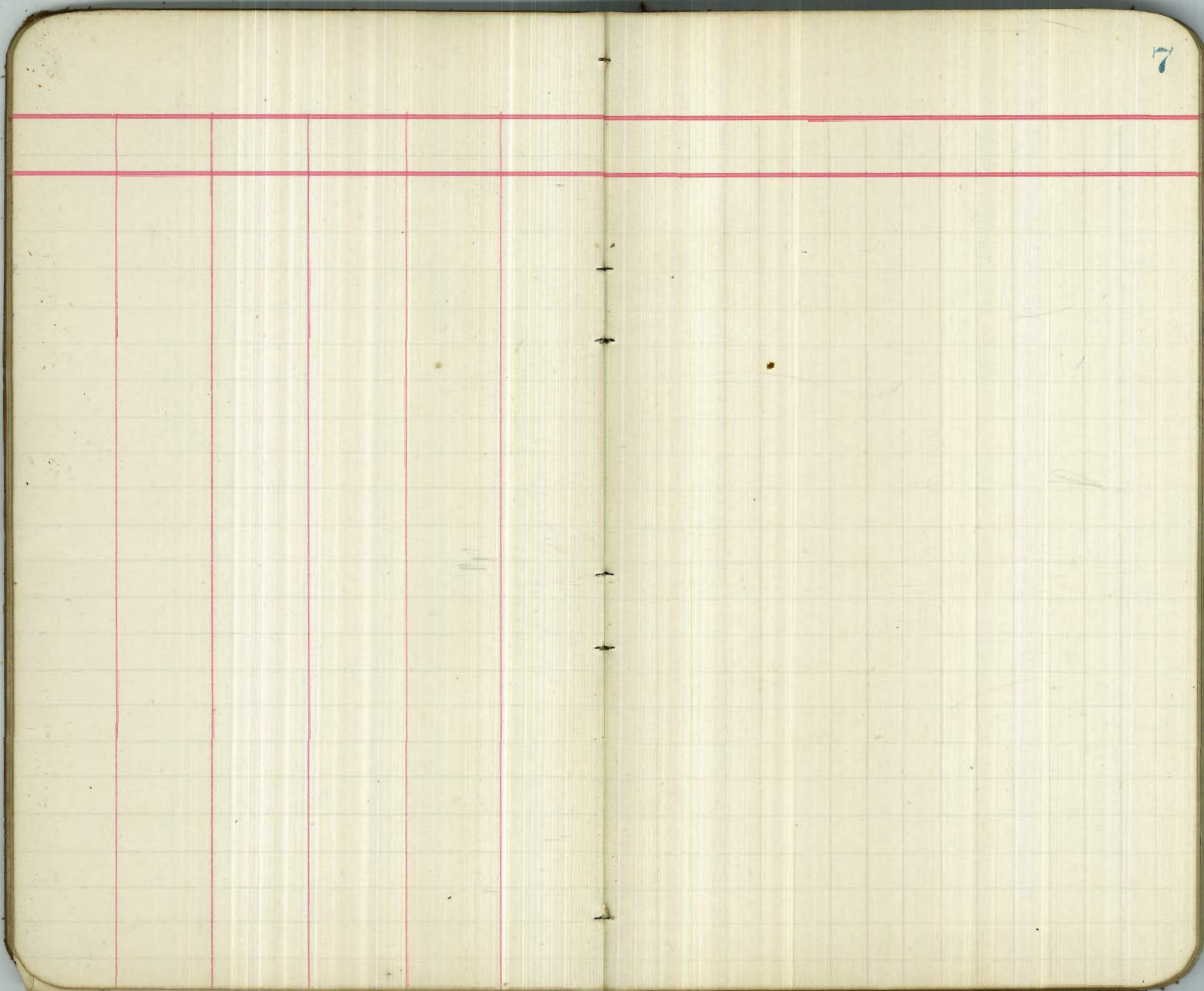
8+09 " S " "

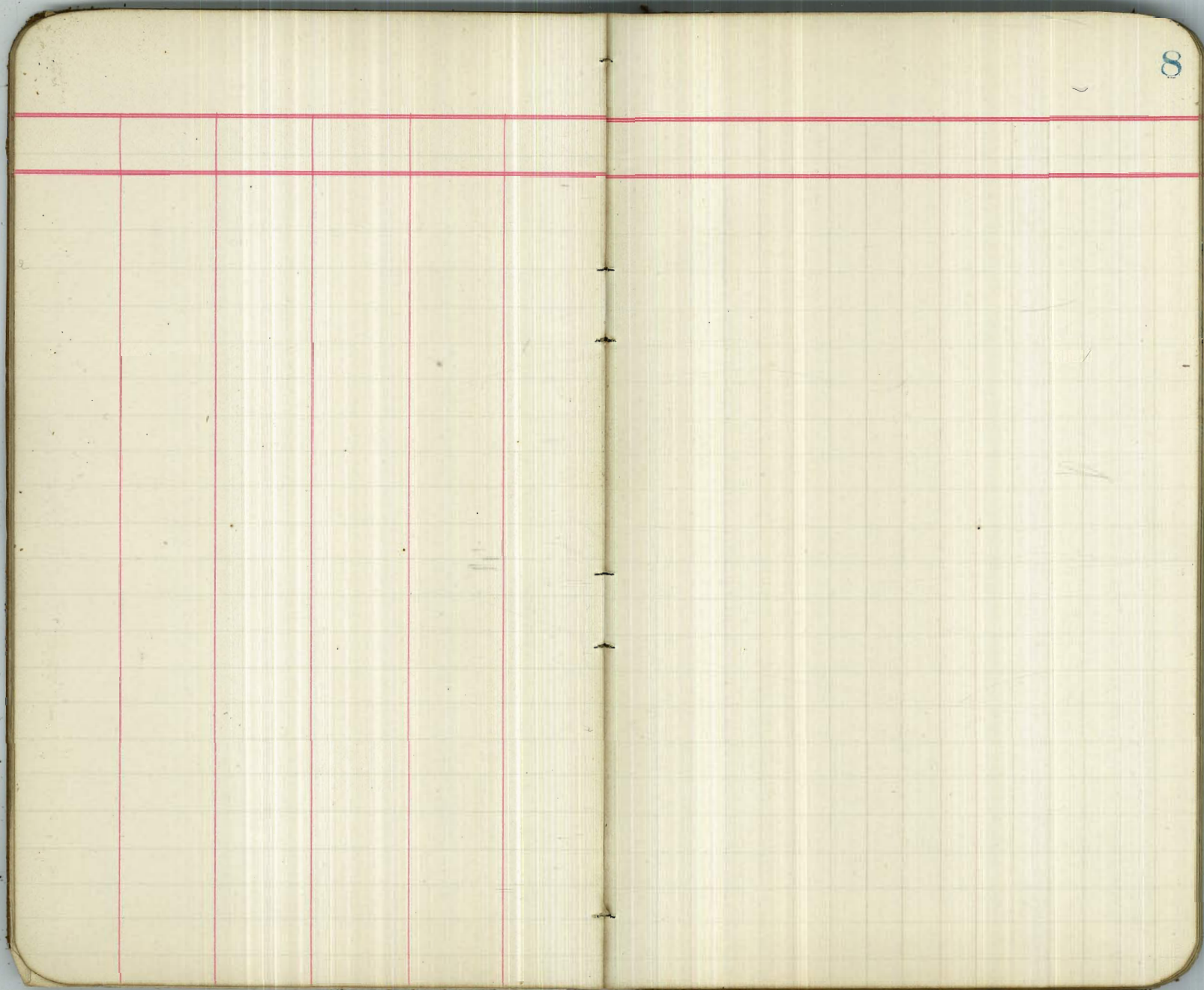
8+10 End of Pipe

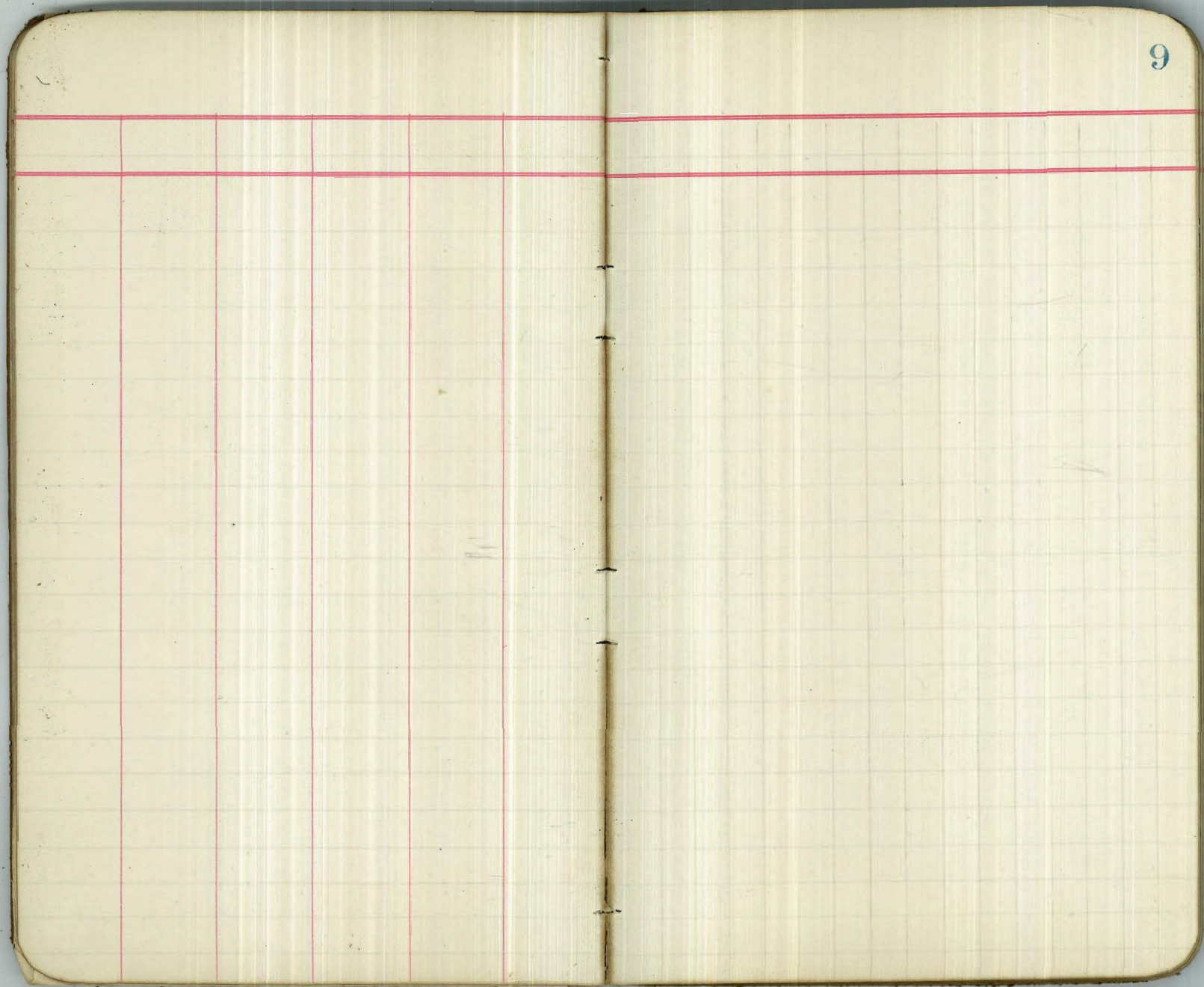




7

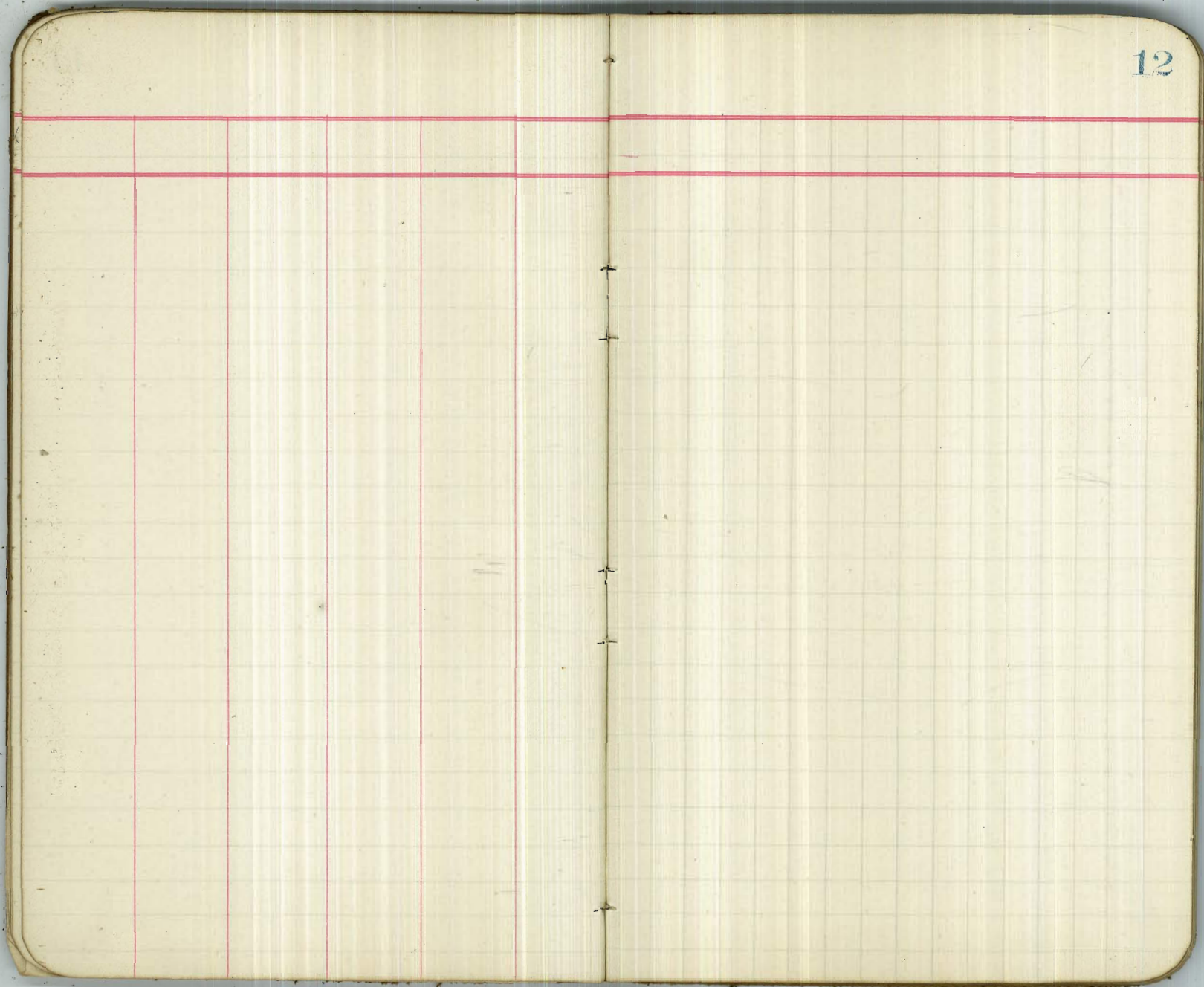


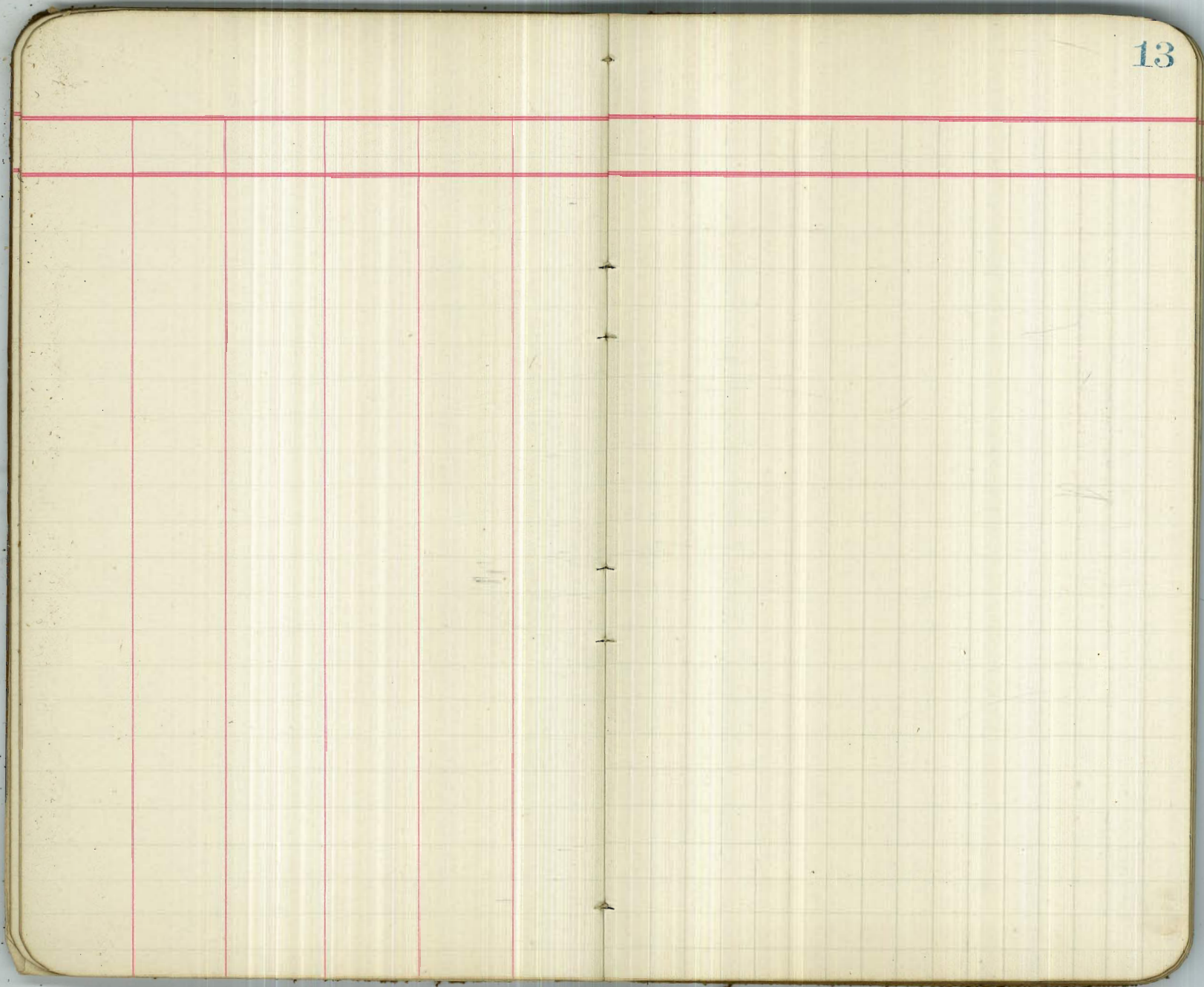




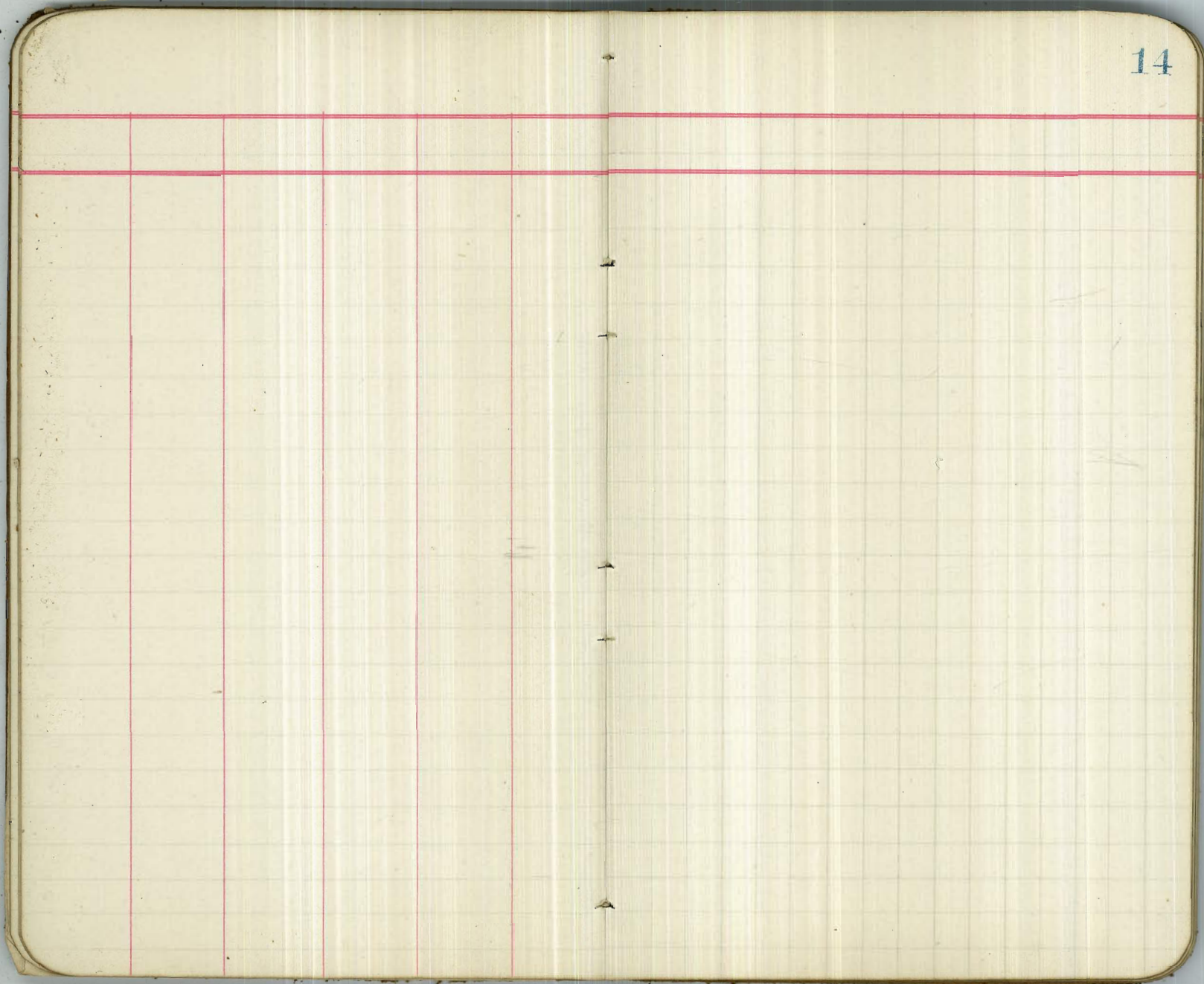




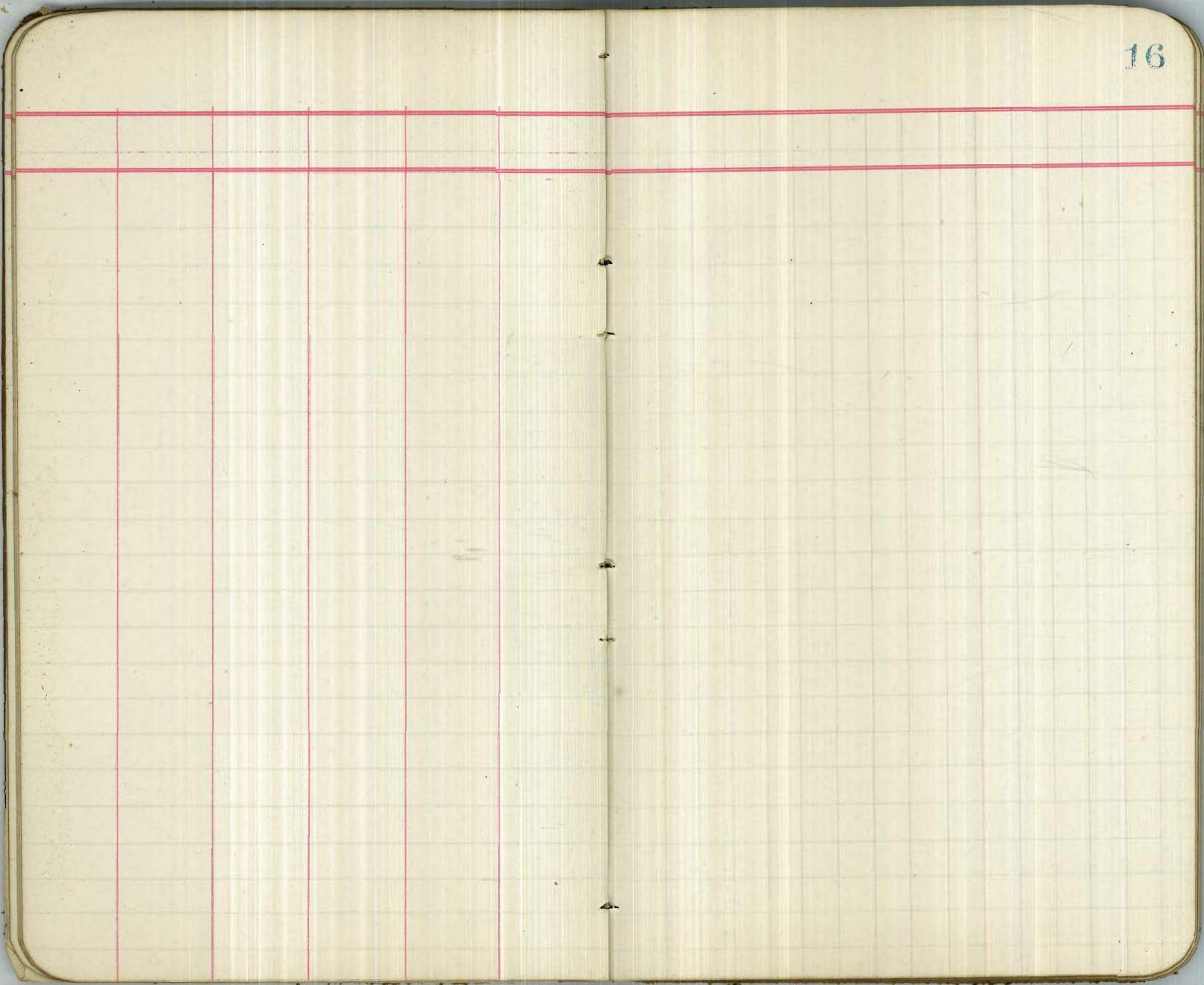


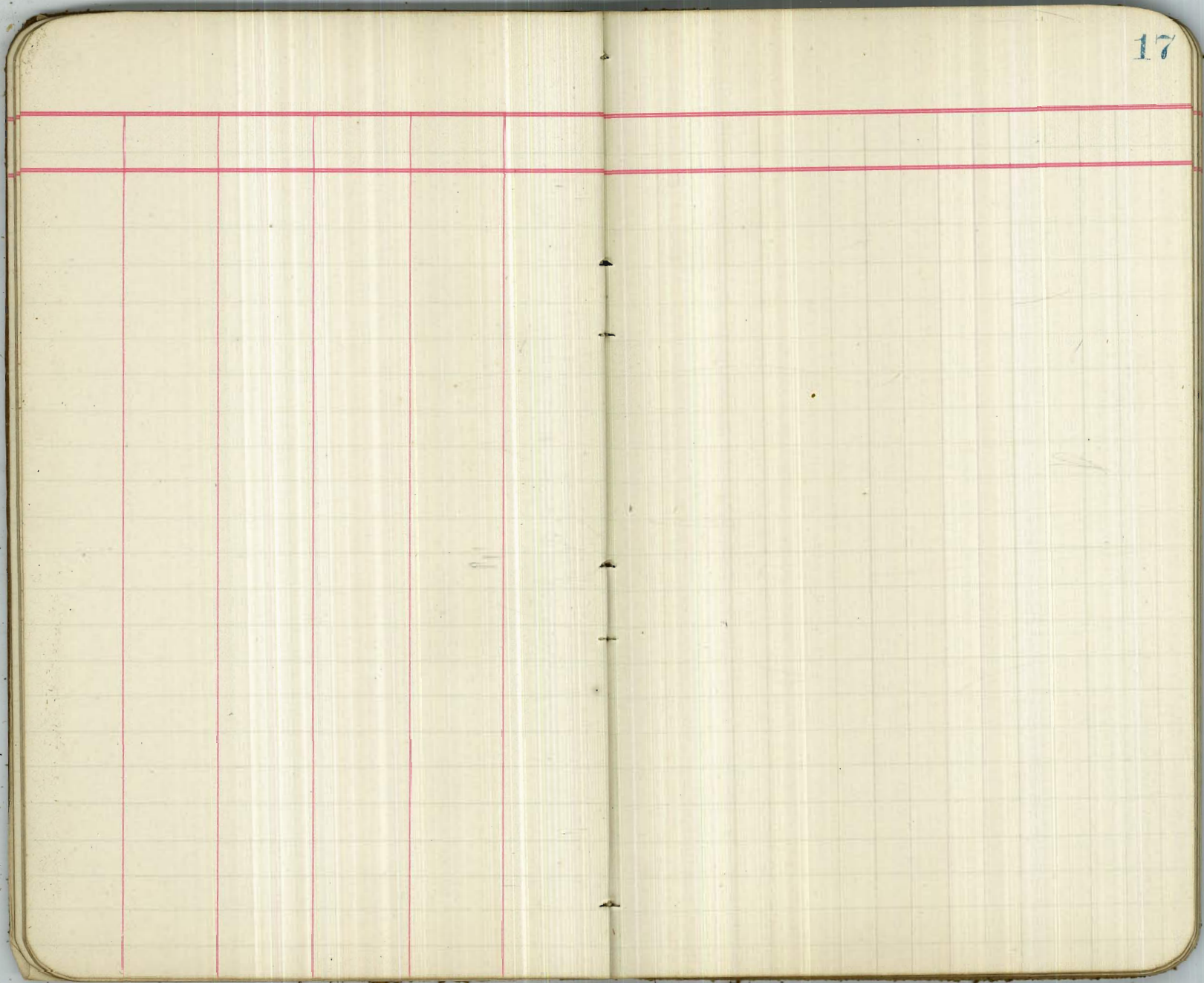


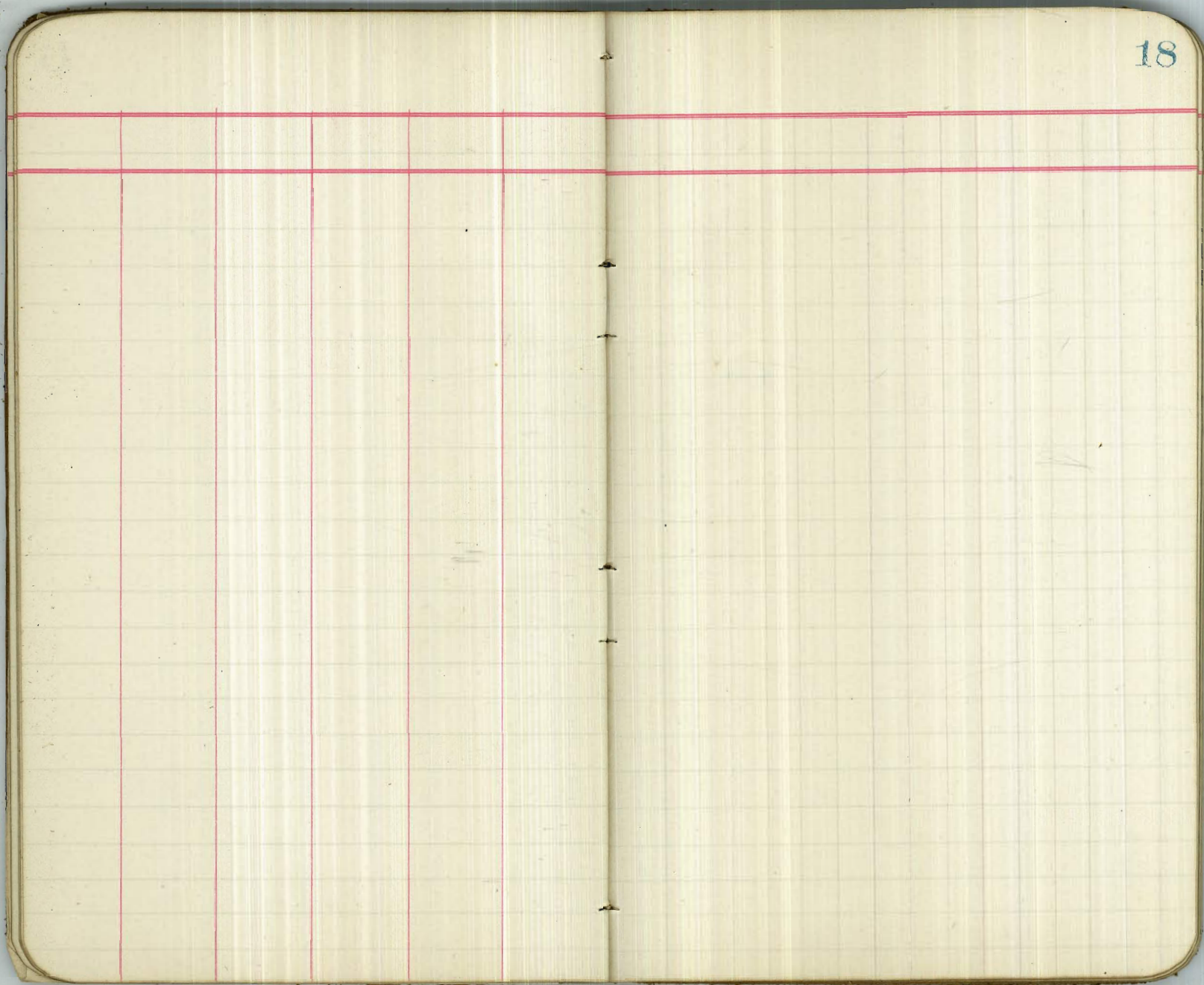


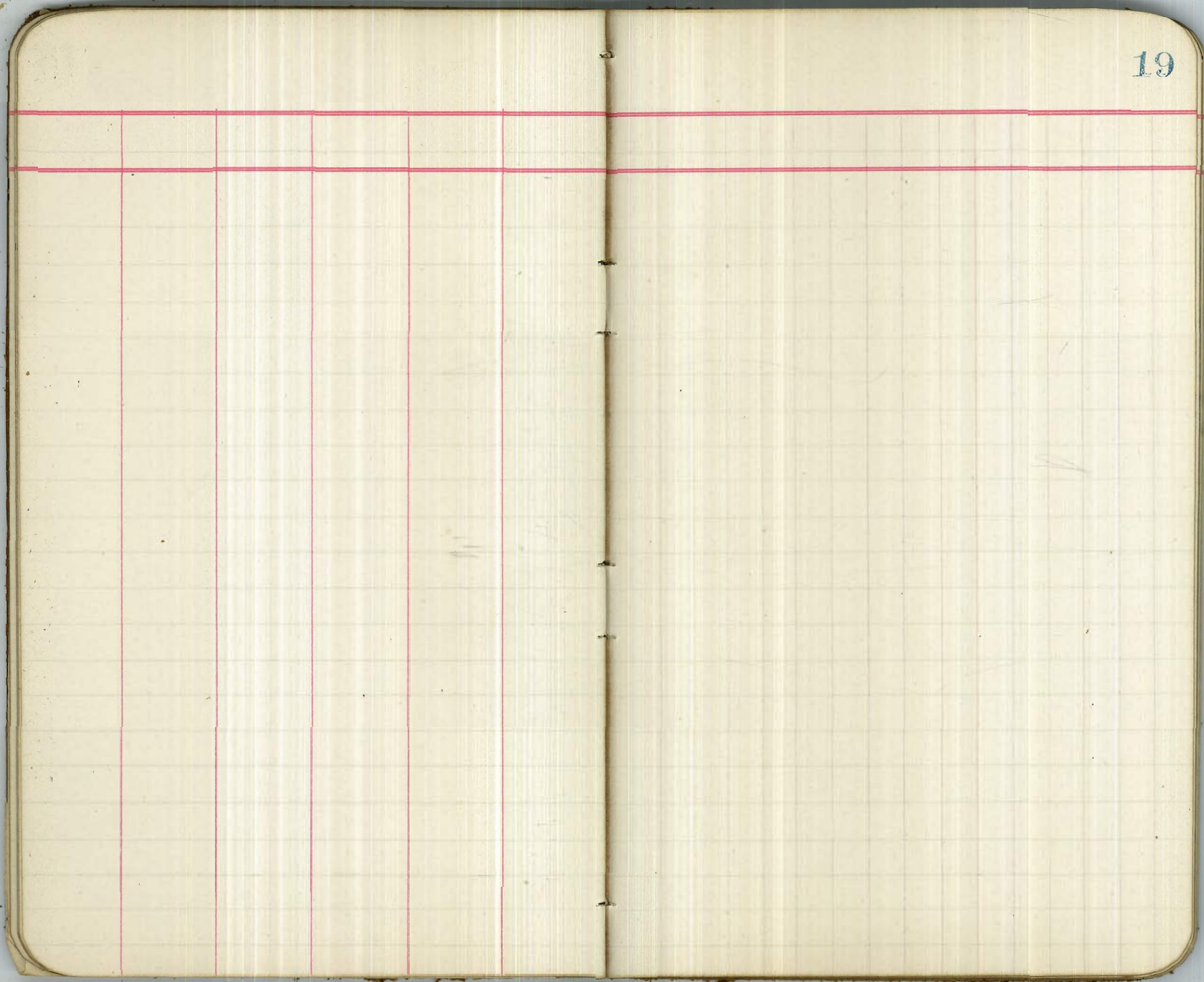


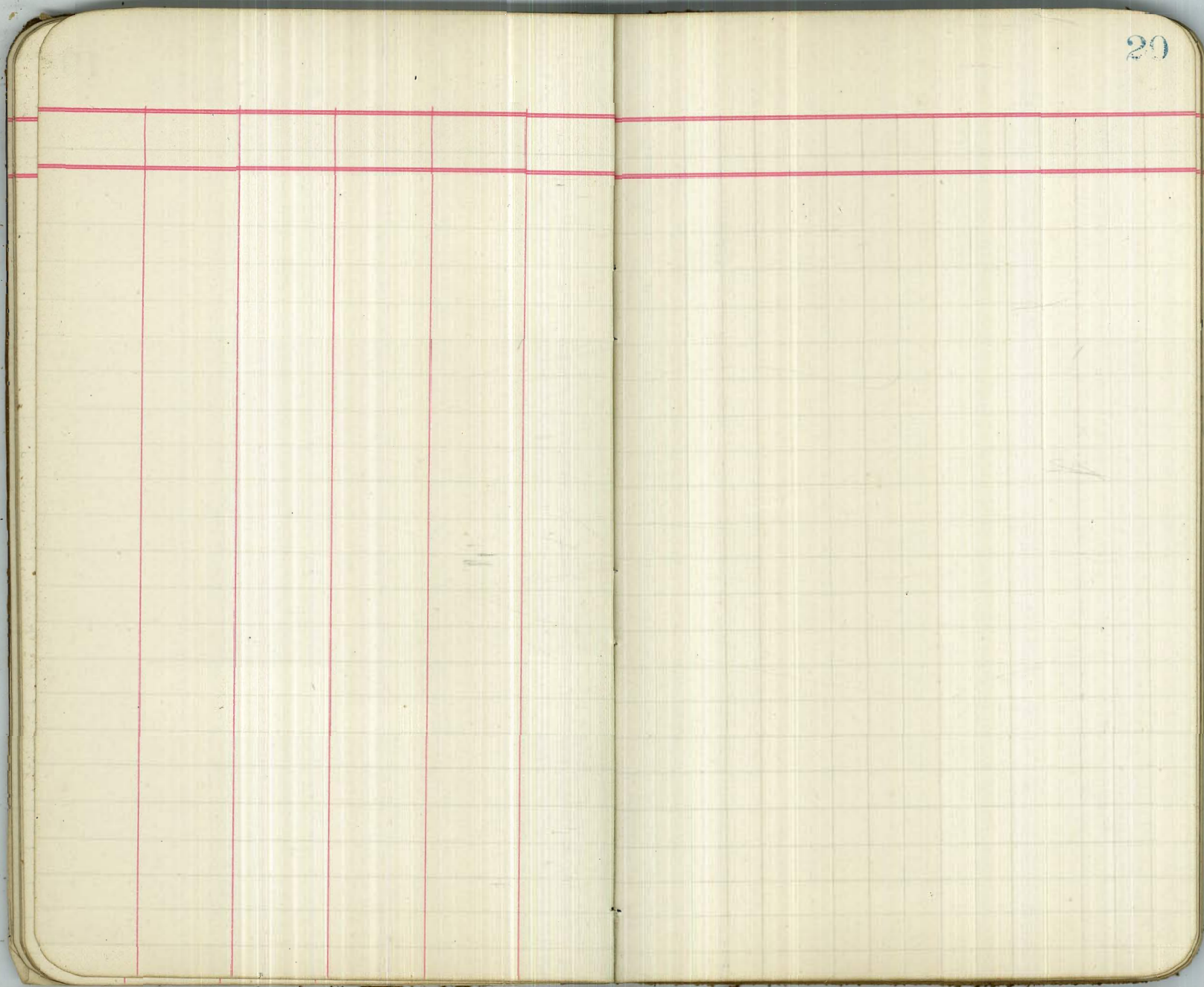






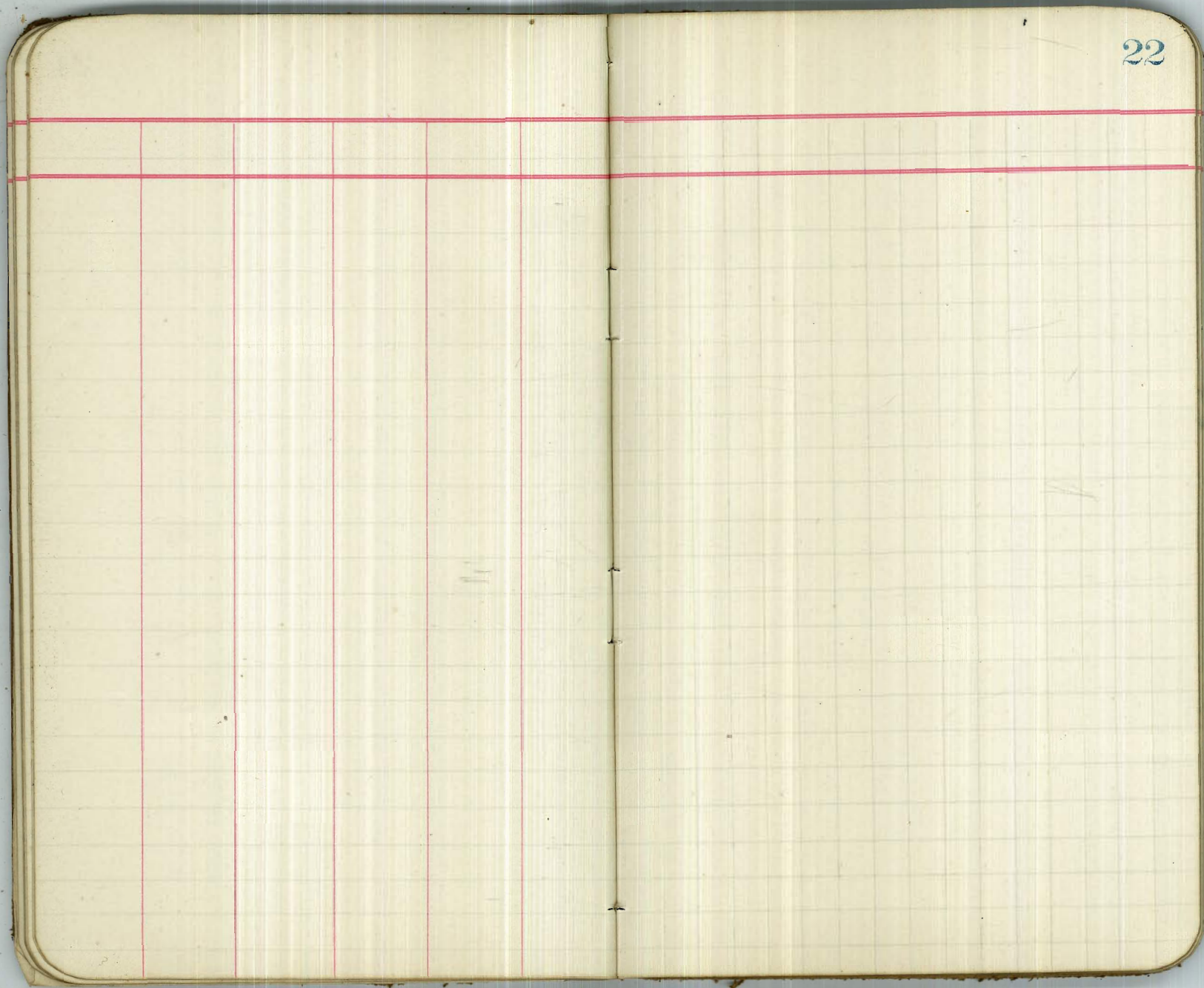


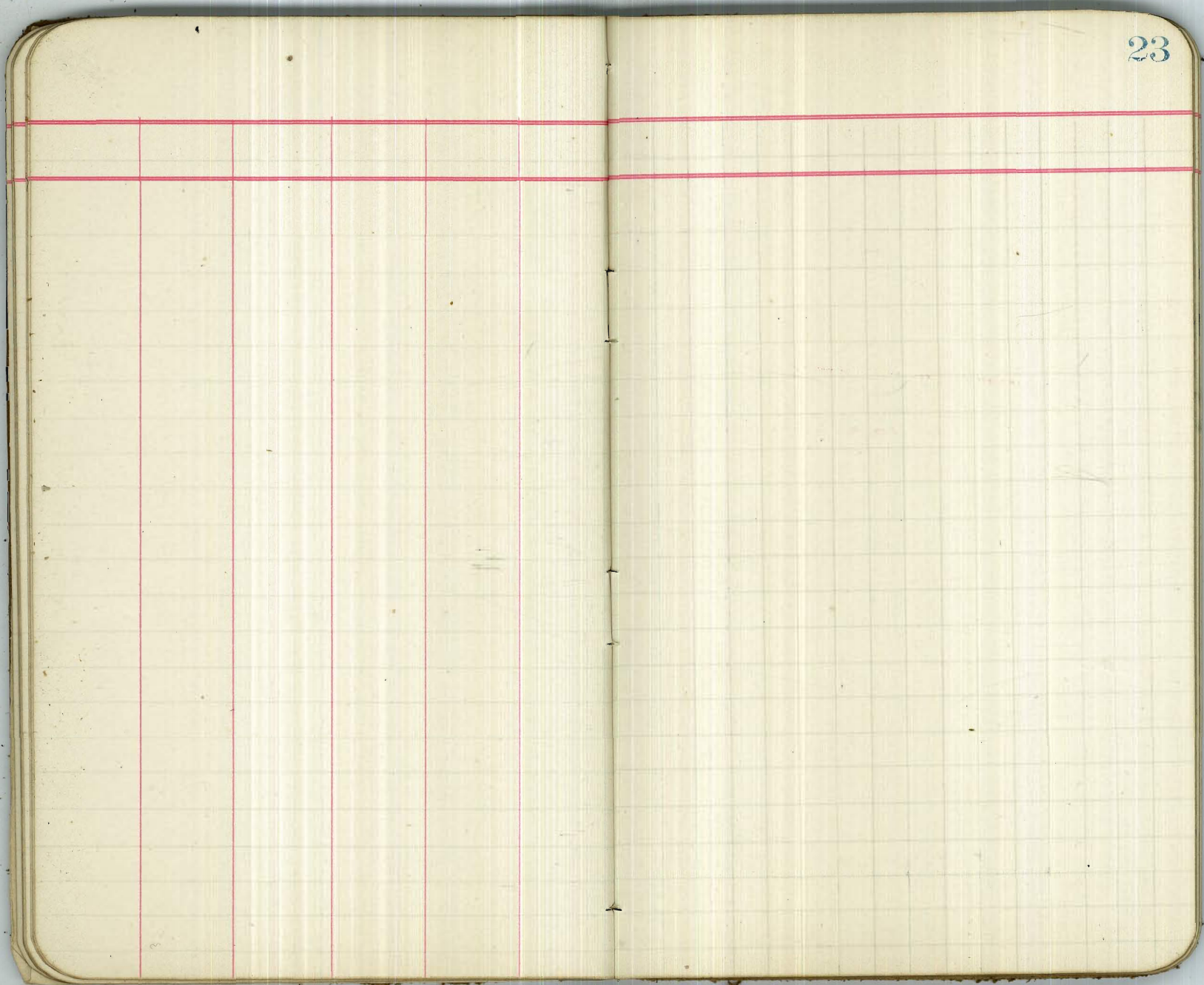


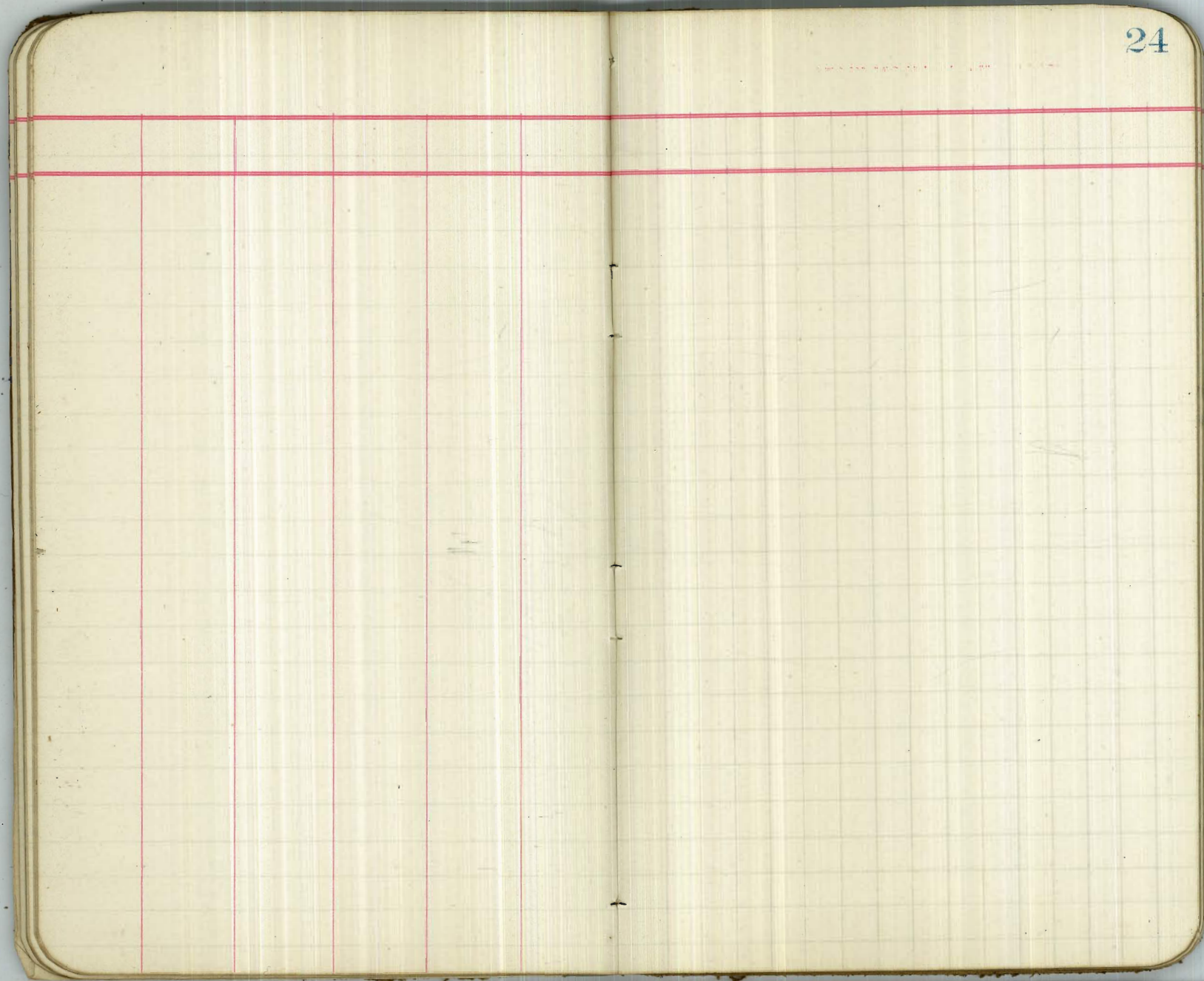


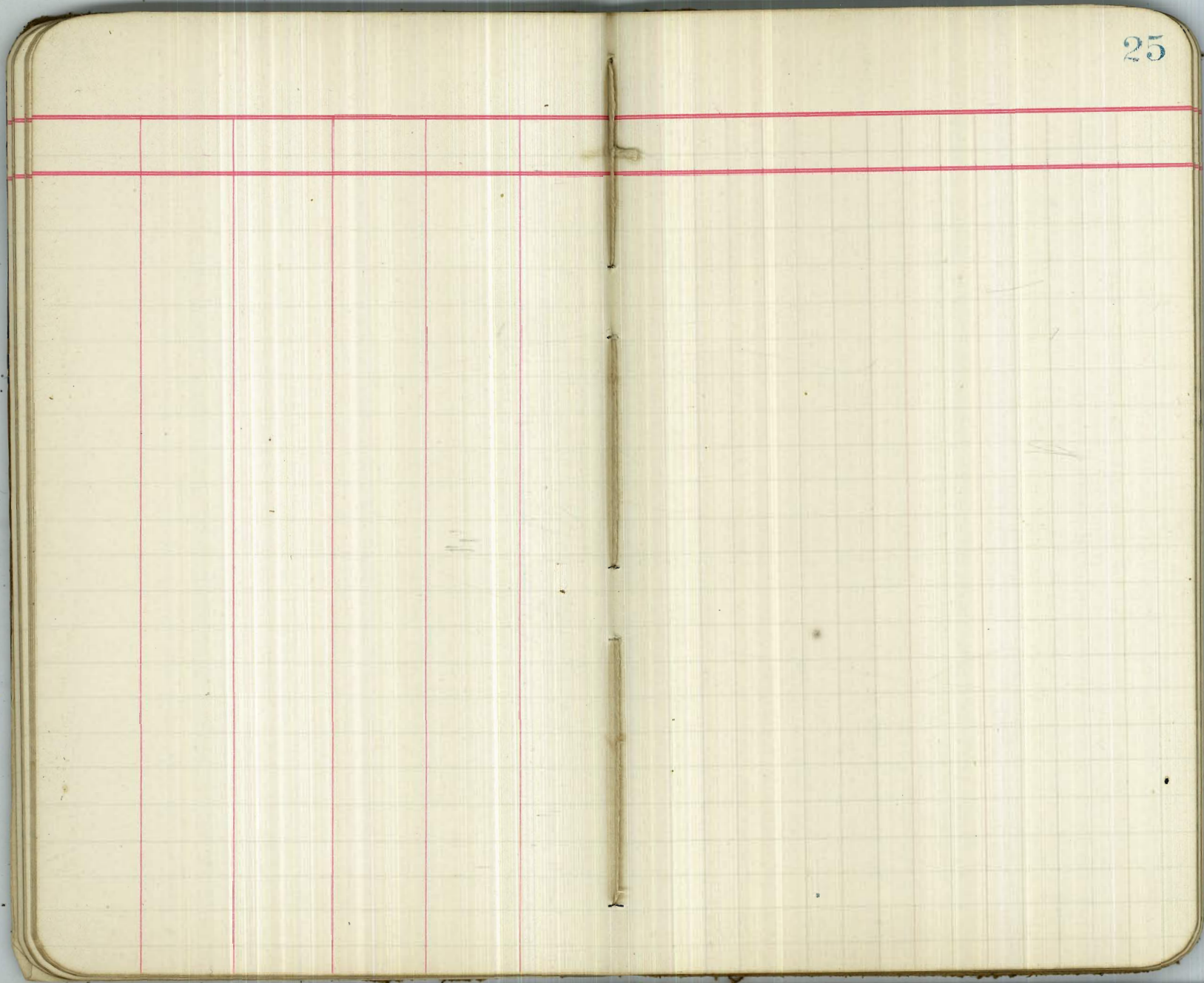


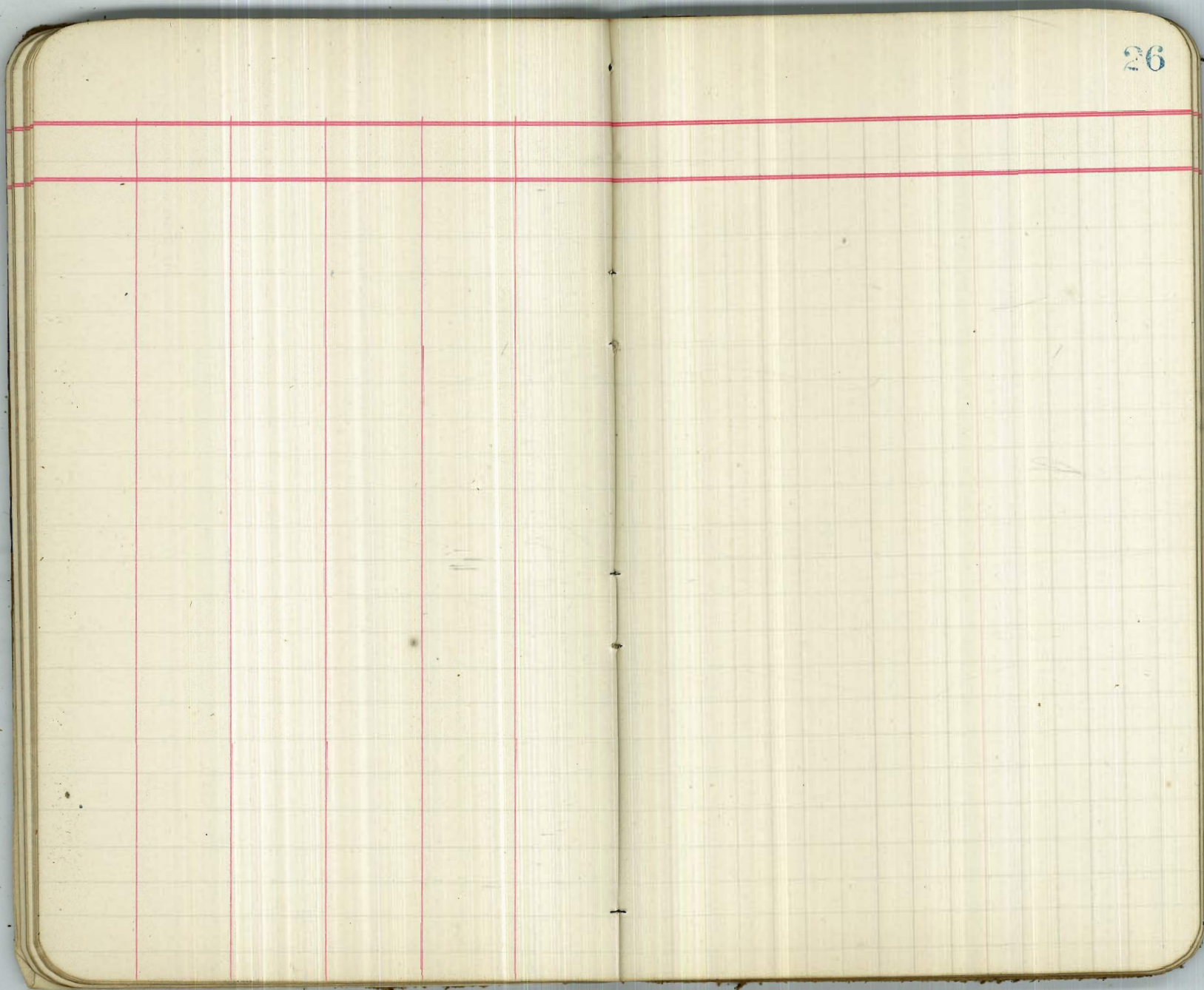


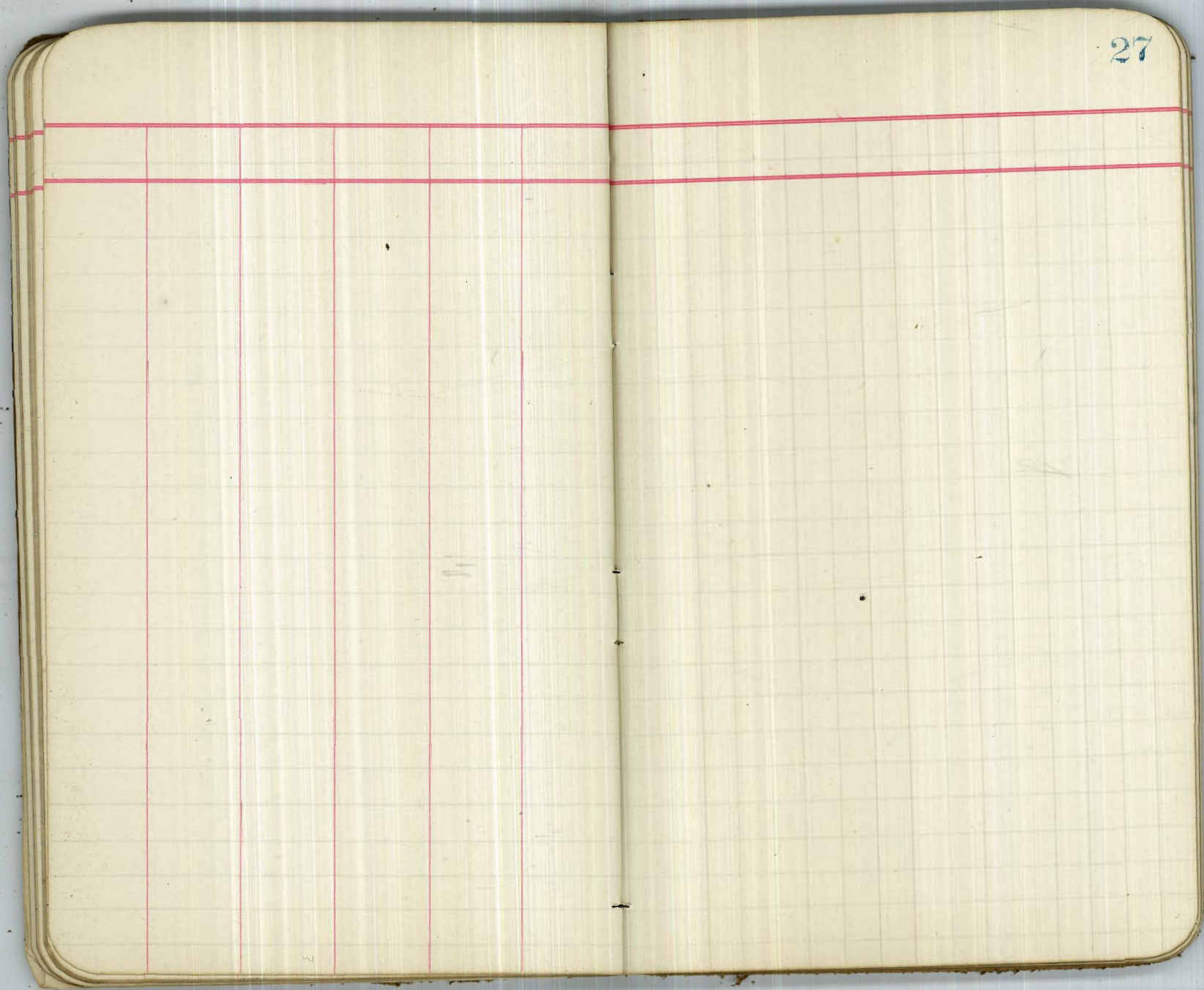


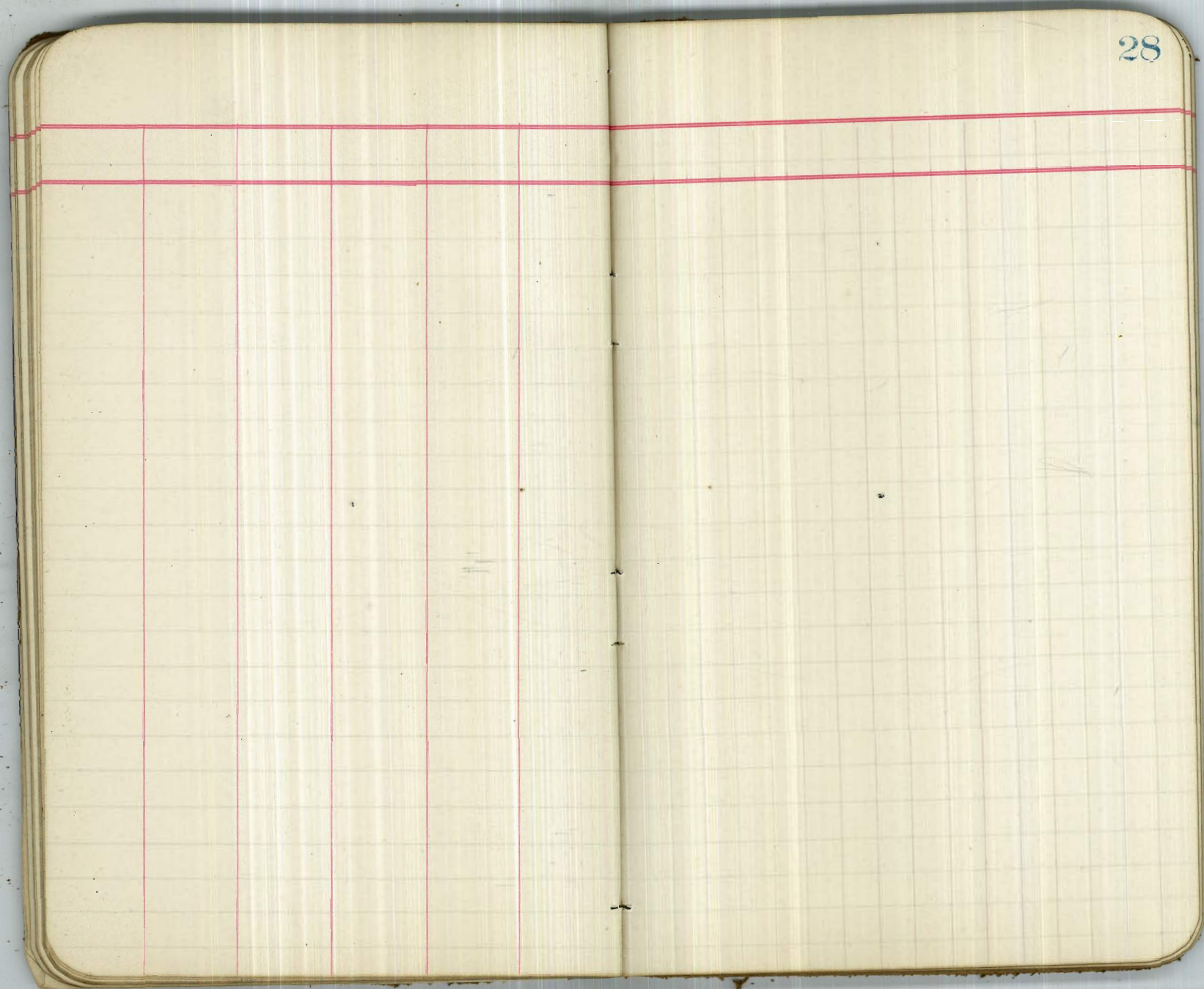


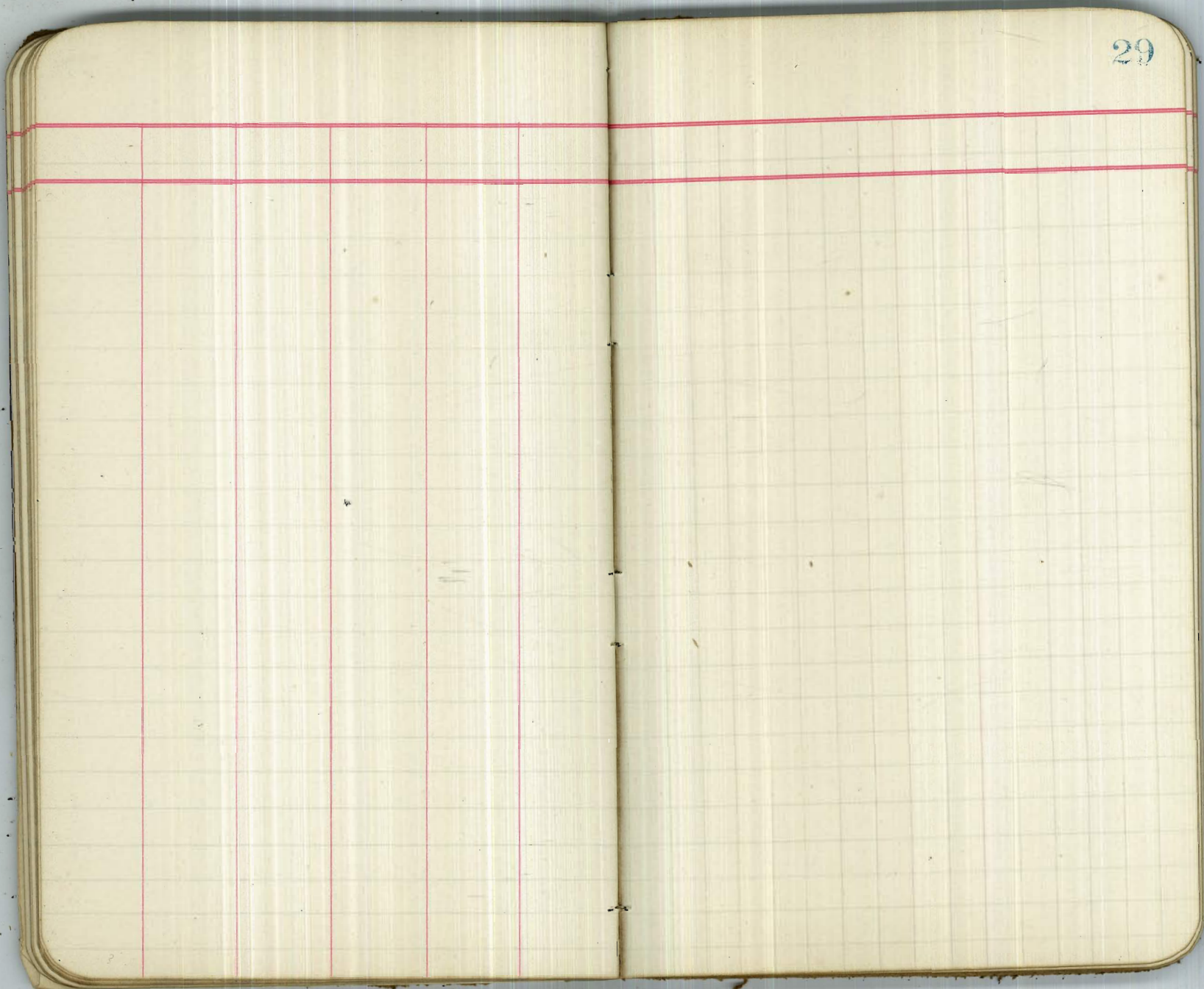




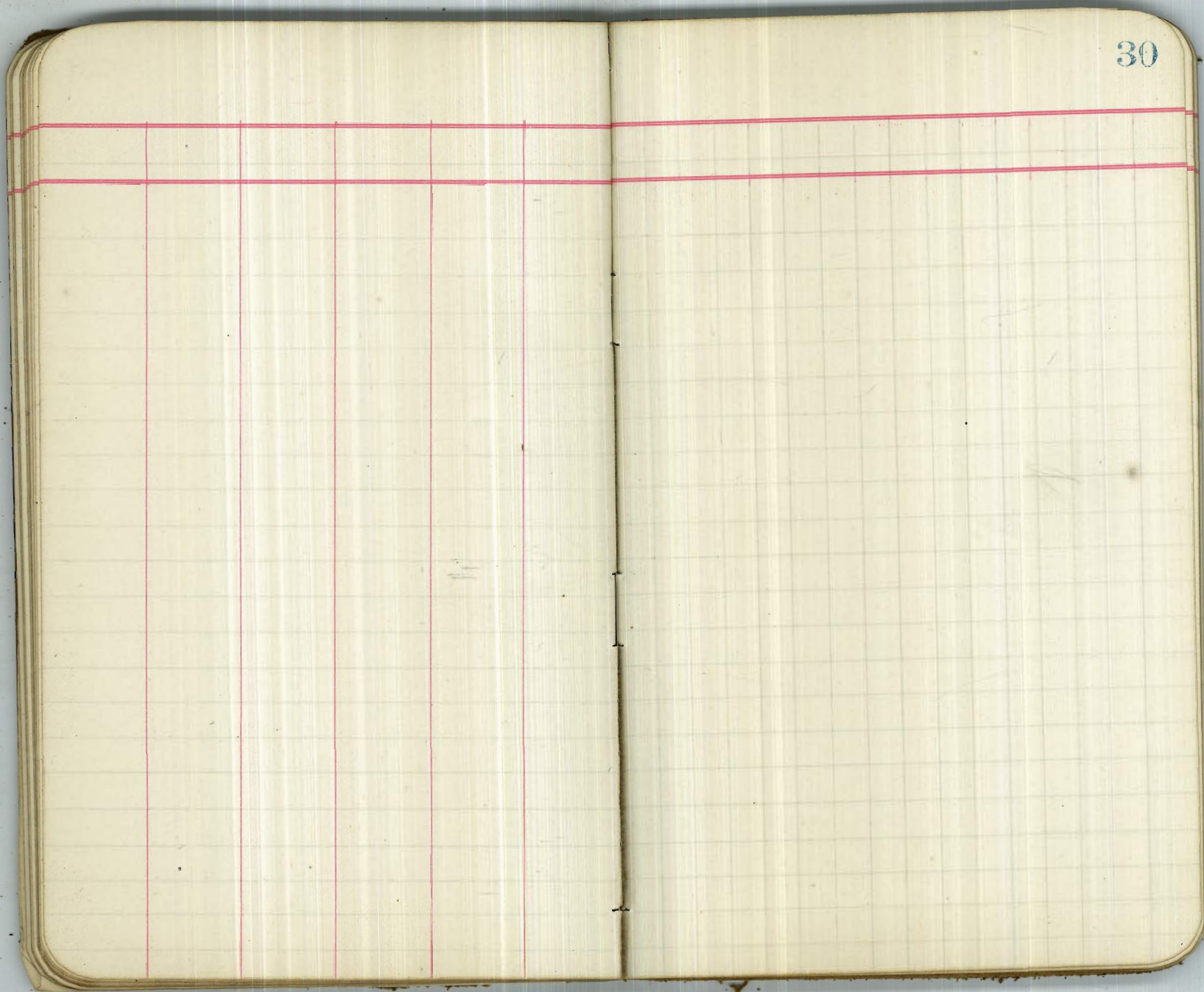


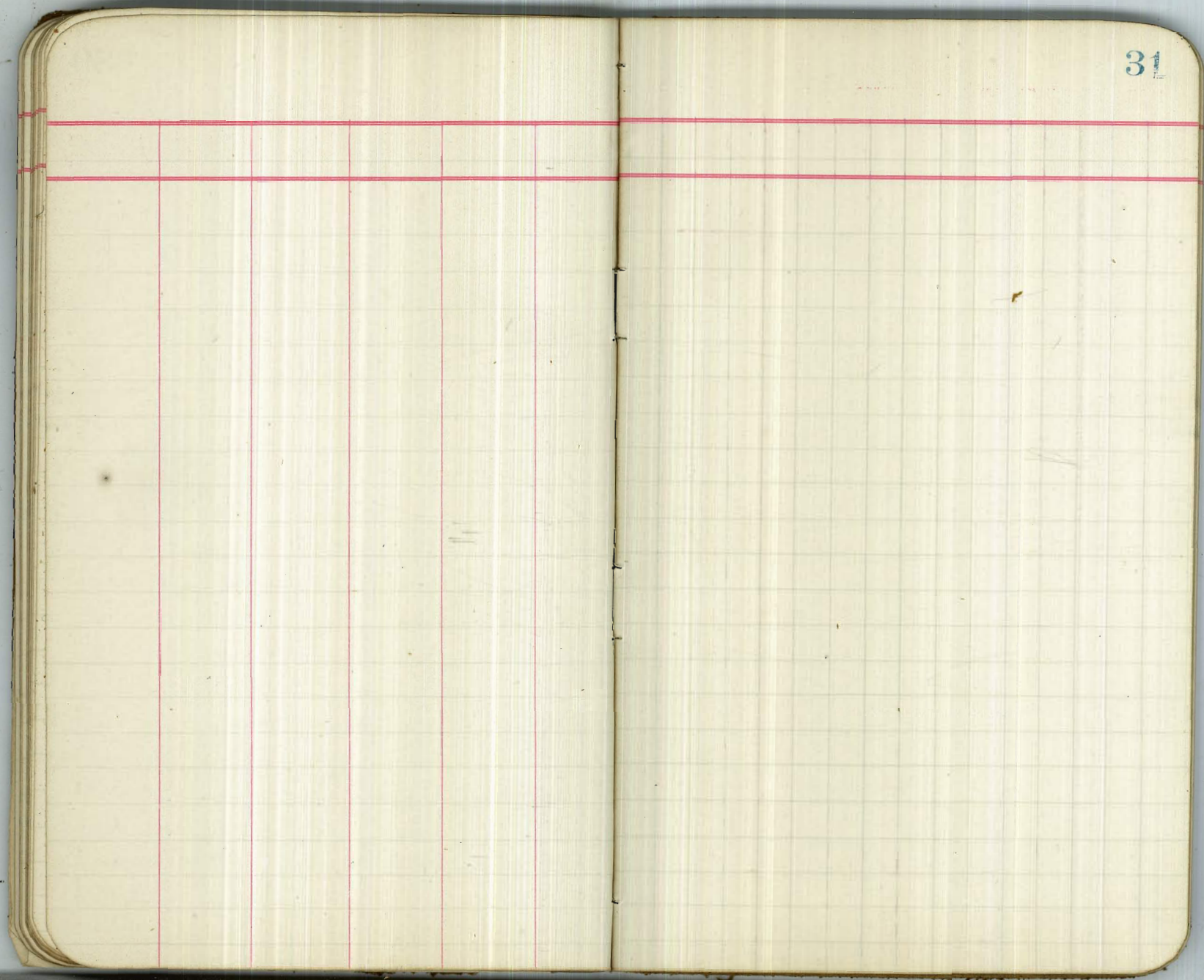






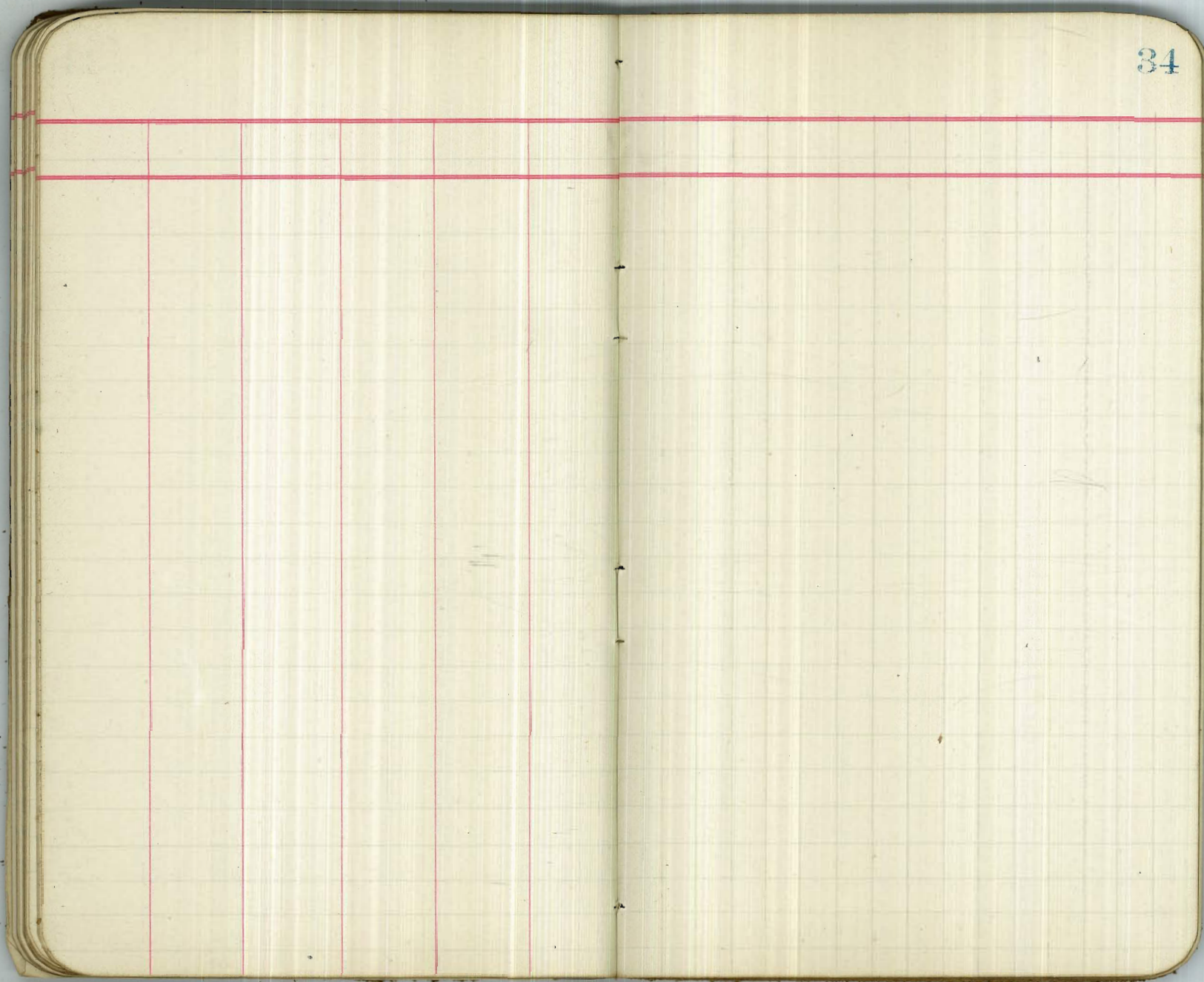


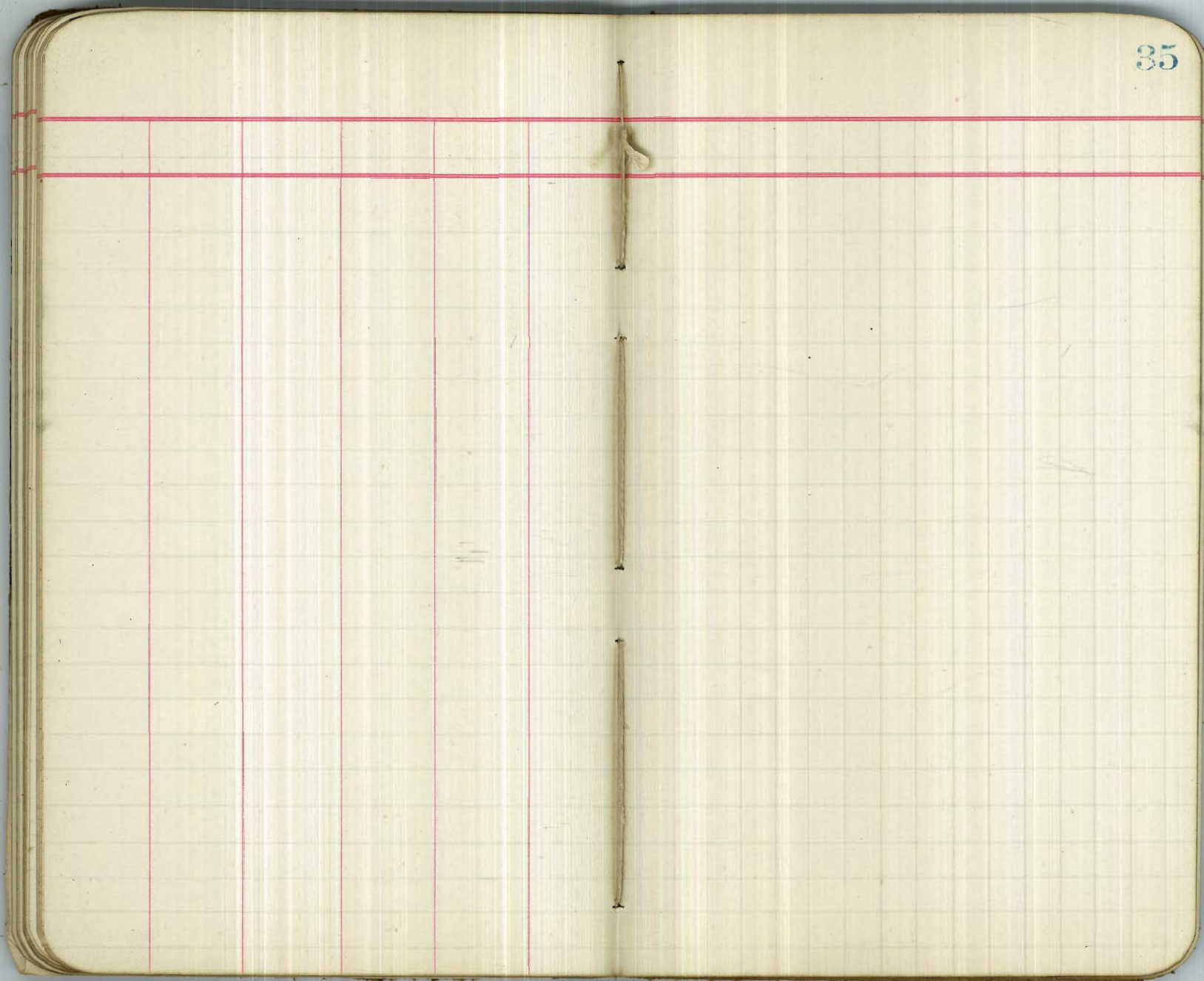


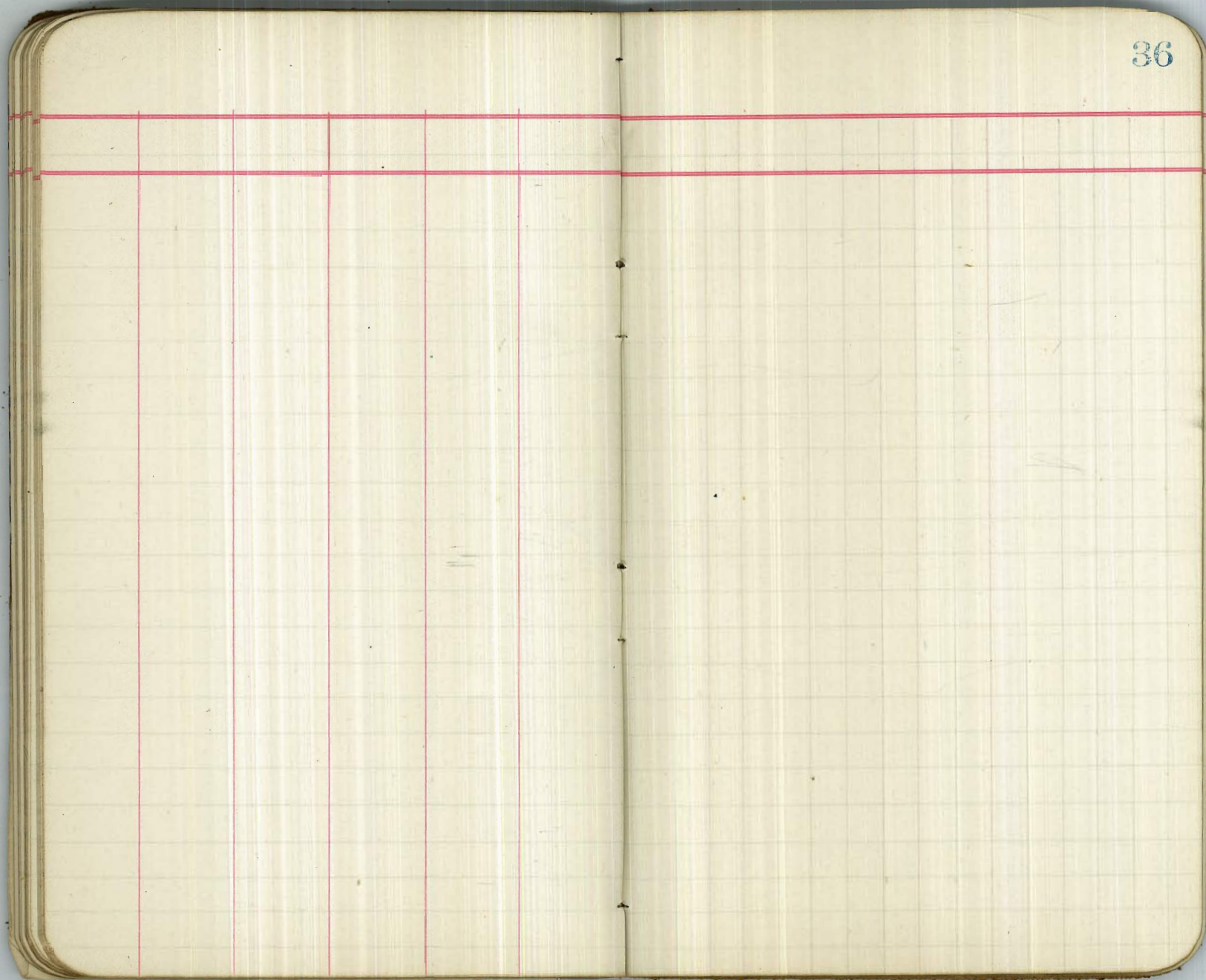


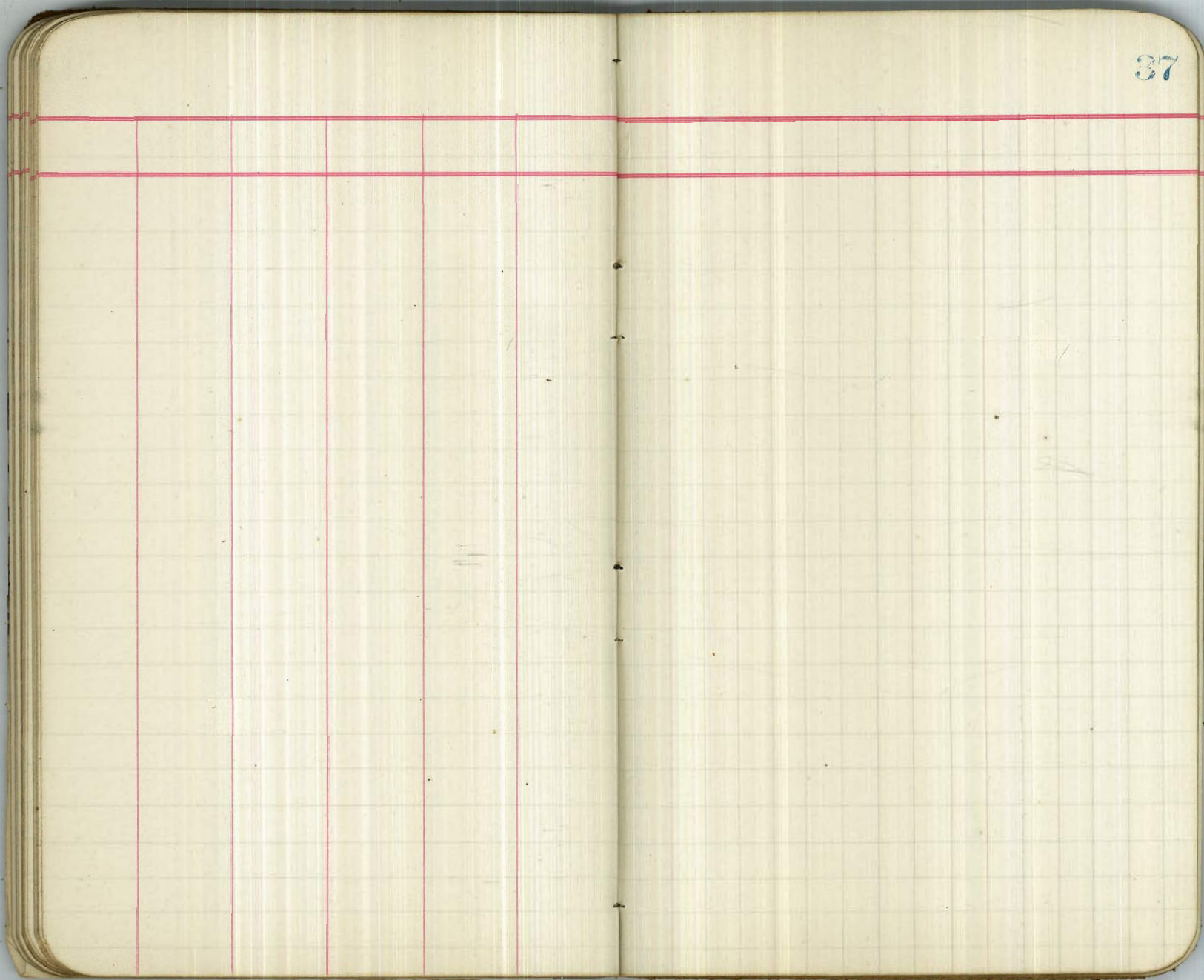
The image shows an open notebook with two pages. The left page is ruled with a grid of light blue lines. Two vertical red lines are drawn on the left page, creating three columns. The right page is also ruled with a grid of light blue lines. The number '32' is printed in blue ink in the top right corner of the right page. The notebook is bound in the center, and the pages are slightly aged and yellowed.



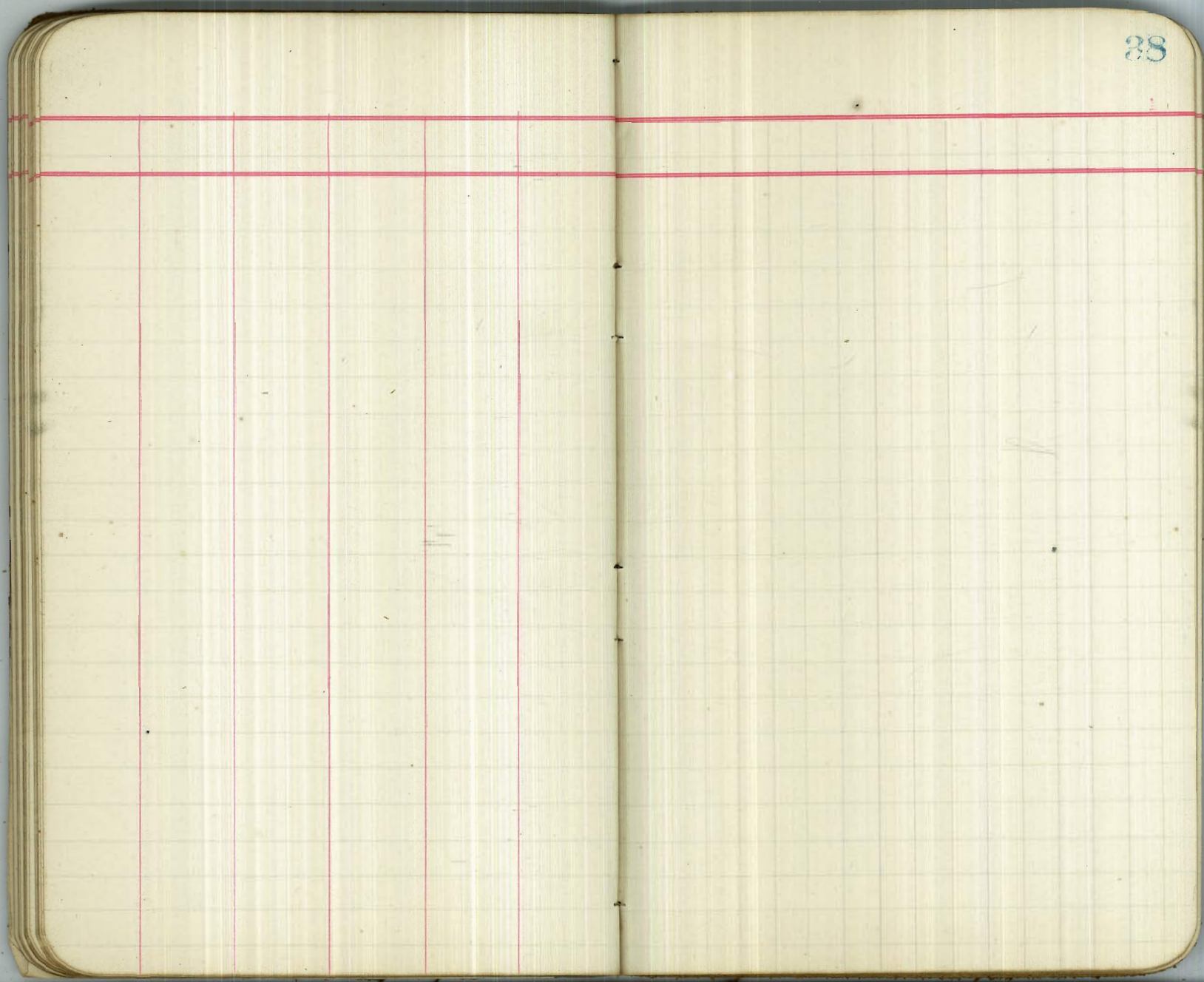








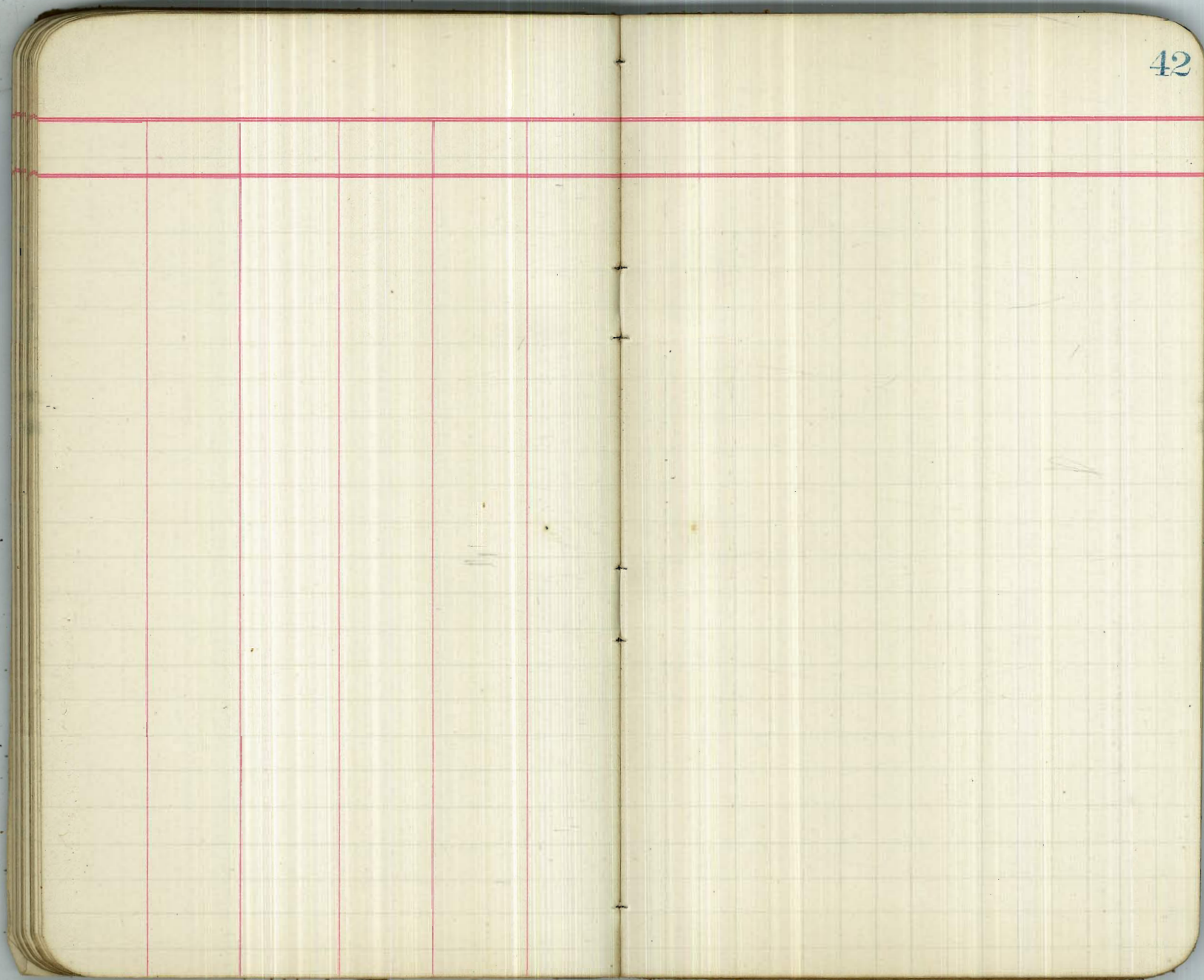


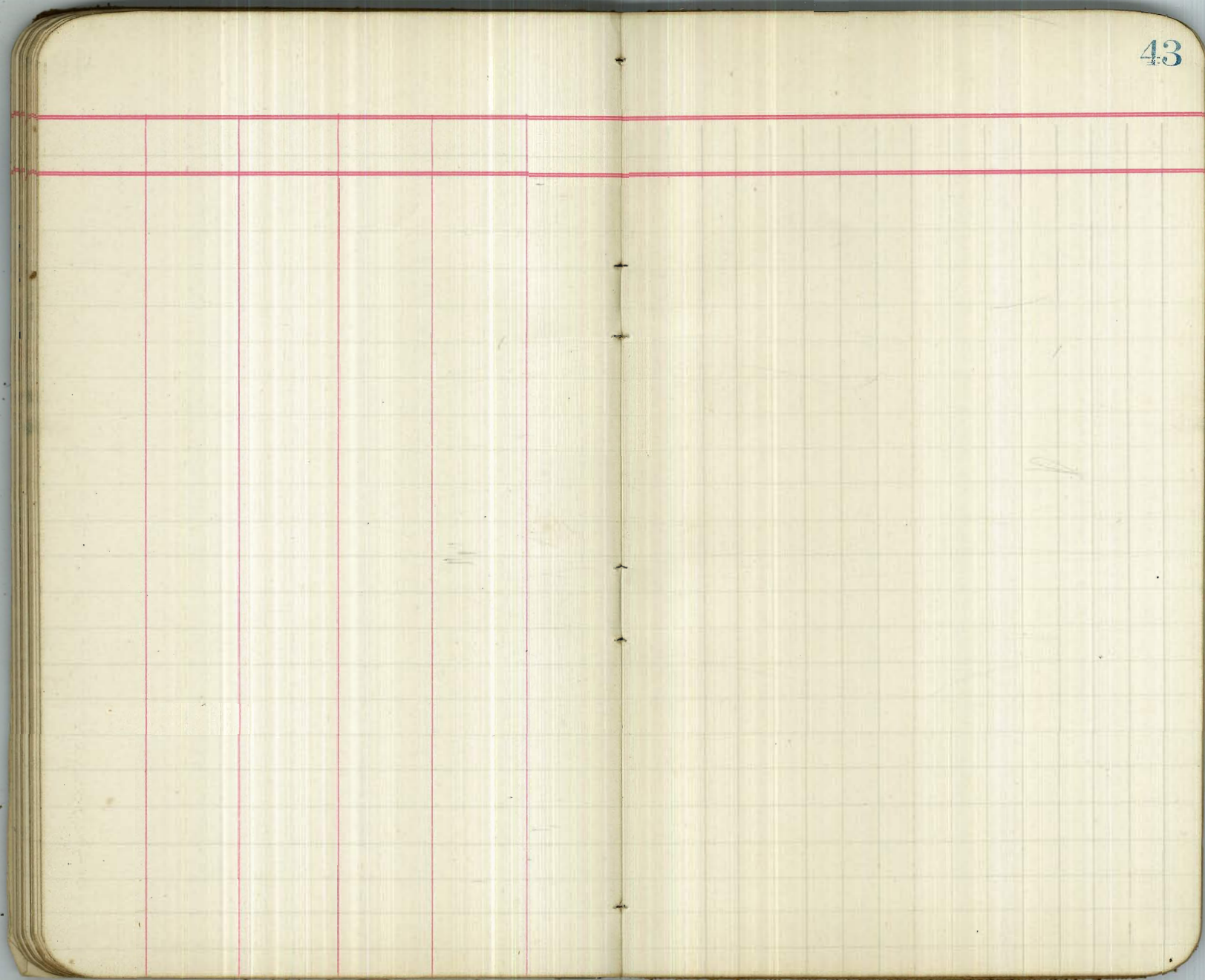


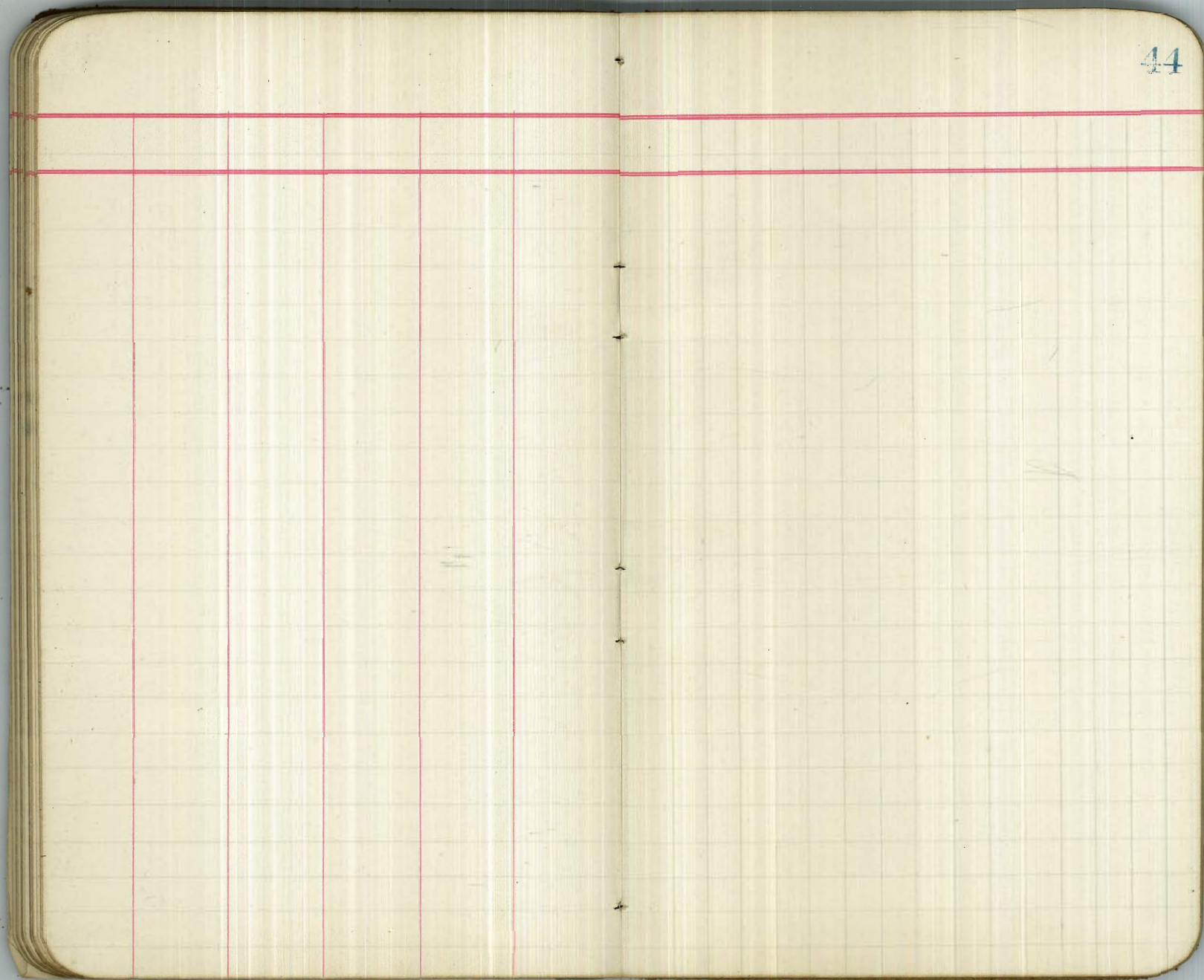
The image shows an open notebook with two pages. The left page is ruled with a grid and has four vertical red lines, creating five columns. The right page is ruled with a grid and has the number 39 in the top right corner. The notebook is placed on a light-colored surface.

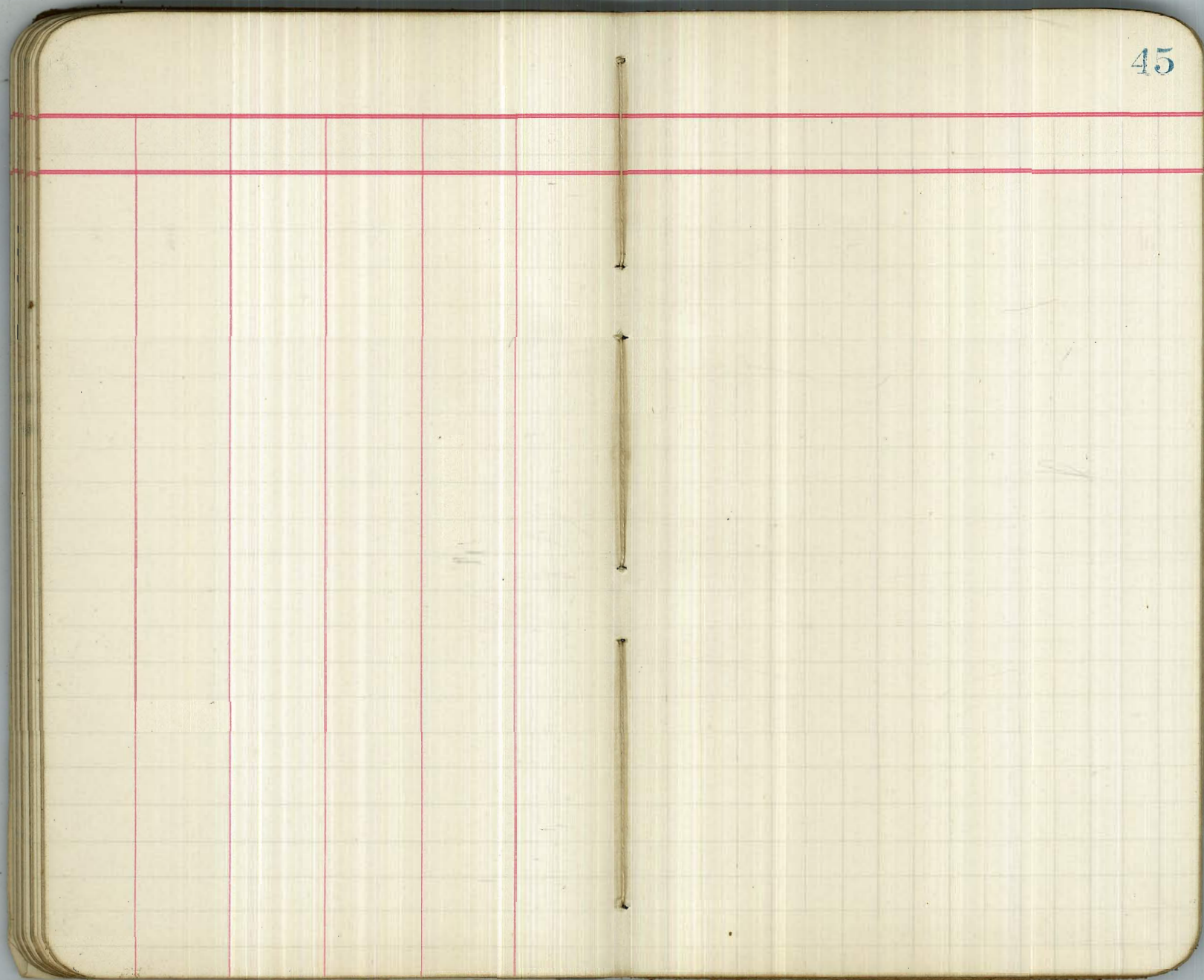
The image shows an open notebook with two pages. The pages are cream-colored and feature light blue horizontal ruling. The left page has a red margin line on the left side and a red header line near the top. The right page has a red header line near the top. The number '40' is printed in the top right corner of the right page. The notebook is placed on a light-colored surface.



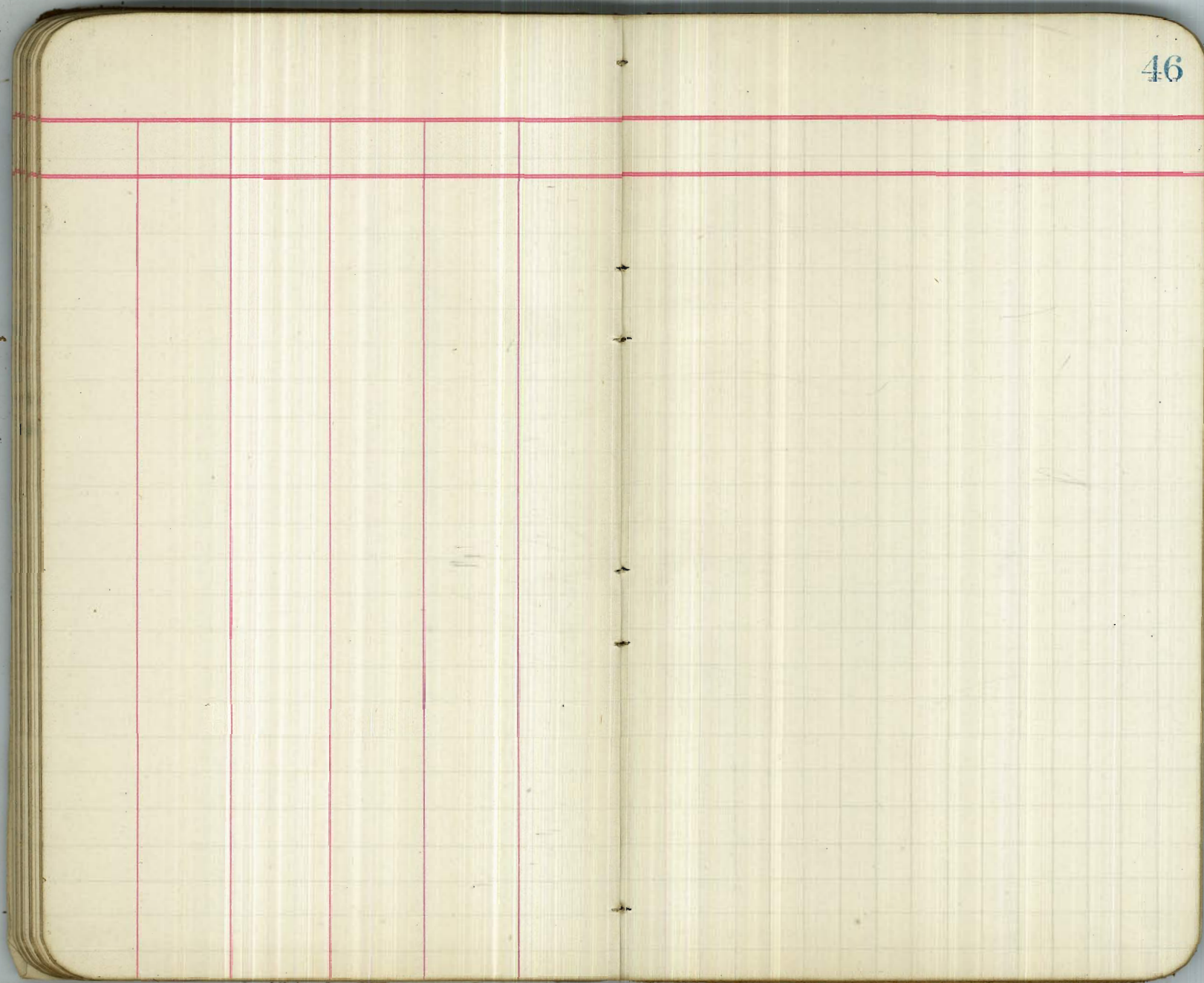


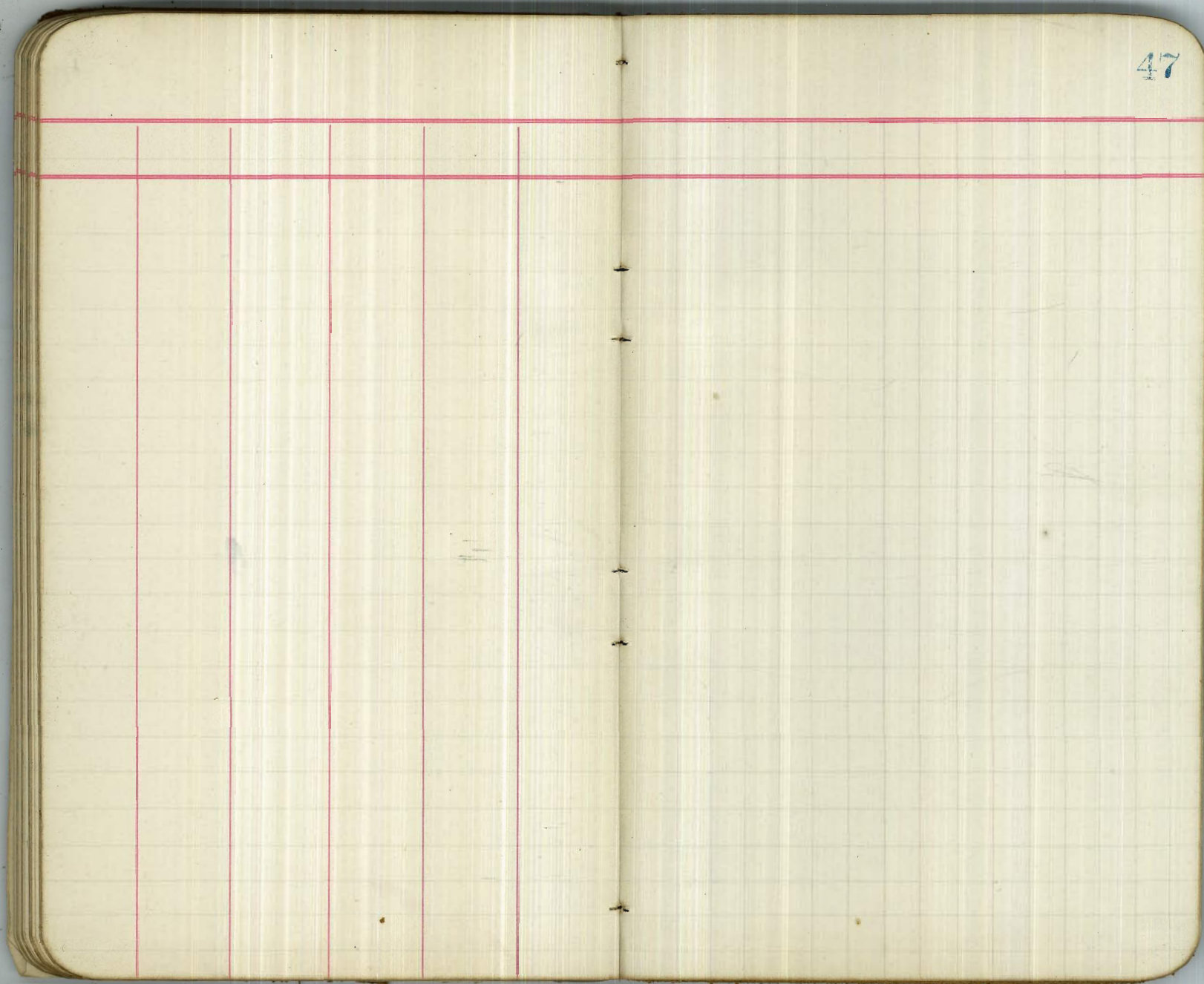




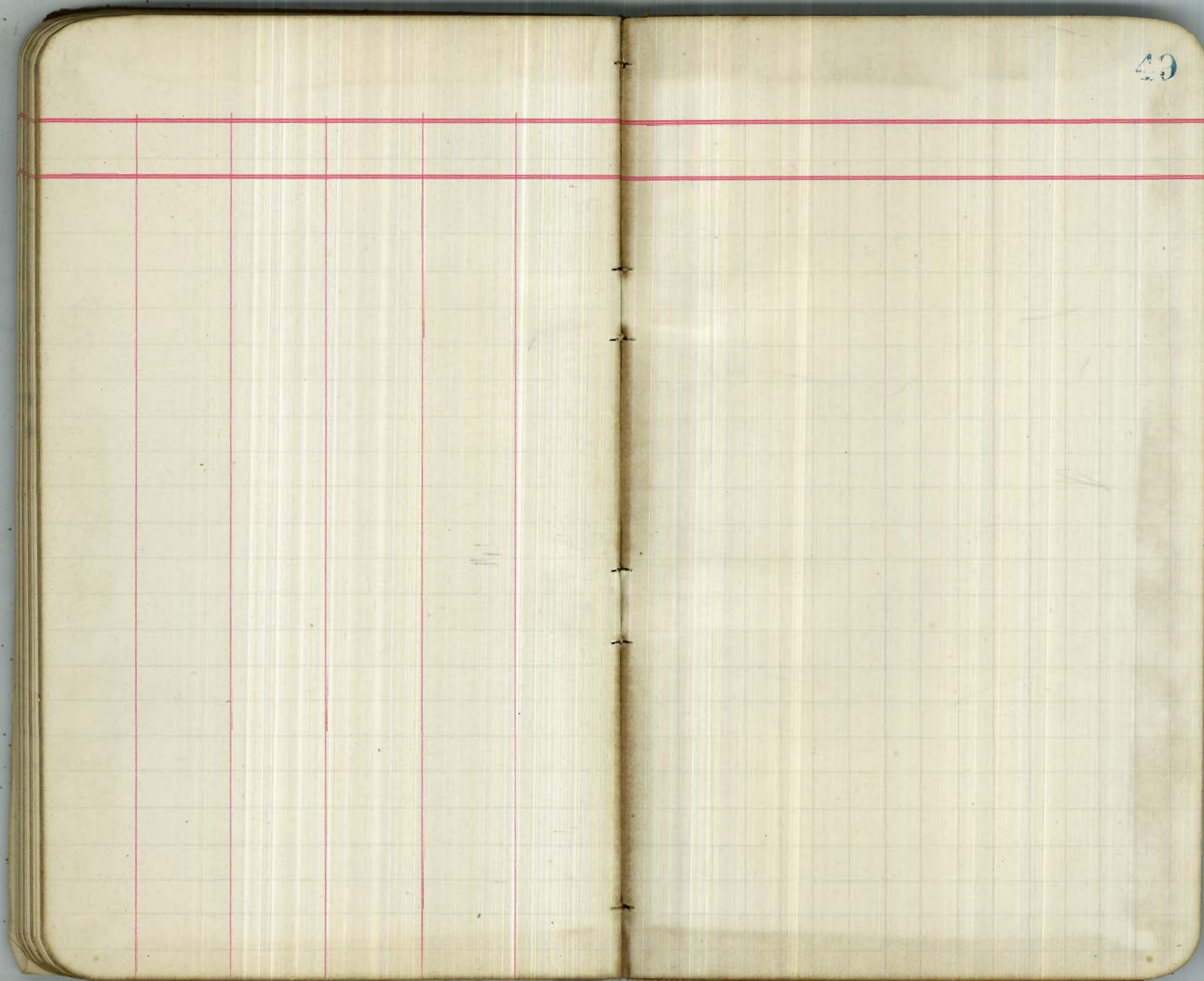








The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has two horizontal lines near the top, creating a header section. Below these, there are five vertical lines that divide the page into six columns of varying widths. The right page is a grid page with a uniform grid of light blue lines. The notebook is bound in the center, and the pages are a light cream color. The number '48' is written in blue ink in the top right corner of the right page.



2  
1/2  
11

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	97.15	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	61
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	51
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	51
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	51
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	51
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	51
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	51
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	51
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	51
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	41
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	41
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	41
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	41
45	70.71	70.71							41
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

Published by Edward Denny & Co., Stationers, Drawing Materials,  
Mathematical Instruments, Etc., San Francisco.