

First Street

No 1.

and Union

9

TRANSIT

2nd sheet

F.B. 720

720

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	2 $\frac{1}{2}$	21	49	41	95 $\frac{1}{2}$
2	4 $\frac{1}{2}$	22	51 $\frac{1}{2}$	42	98
3	7	23	53 $\frac{1}{2}$	43	100 $\frac{1}{2}$
4	9 $\frac{1}{2}$	24	56	44	102 $\frac{1}{2}$
5	11 $\frac{1}{2}$	25	58 $\frac{1}{2}$	45	105
6	14	26	60 $\frac{1}{2}$	46	107 $\frac{1}{2}$
7	16 $\frac{1}{2}$	27	63	47	109 $\frac{1}{2}$
8	18 $\frac{1}{2}$	28	65 $\frac{1}{2}$	48	112
9	21	29	67 $\frac{1}{2}$	49	114 $\frac{1}{2}$
10	23 $\frac{1}{2}$	30	70	50	116 $\frac{1}{2}$
11	25 $\frac{1}{2}$	31	72 $\frac{1}{2}$	51	119
12	28	32	74 $\frac{1}{2}$	52	121 $\frac{1}{2}$
13	30 $\frac{1}{2}$	33	77	53	123 $\frac{1}{2}$
14	32 $\frac{1}{2}$	34	79 $\frac{1}{2}$	54	126
15	35	35	81 $\frac{1}{2}$	55	128 $\frac{1}{2}$
16	37 $\frac{1}{2}$	36	84	56	130 $\frac{1}{2}$
17	39 $\frac{1}{2}$	37	86 $\frac{1}{2}$	57	133
18	42 $\frac{1}{2}$	38	88 $\frac{1}{2}$	58	135 $\frac{1}{2}$
19	44 $\frac{1}{2}$	39	91	59	137 $\frac{1}{2}$
	46 $\frac{1}{2}$	40	93 $\frac{1}{2}$	60	140

MICROFORMED

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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.
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

2286
 25293
 -12
 256-13

200561
 256-53
 257371
 2761

18721
 -72
 251671

2561

First Street North of Ast

W E W E

34+79 - Car running East for

Ash Street

South Ash Street

34+60 Inspected ~~38+15~~

34+34 38+13

34+32 37+88

34+10 37+85

34+08 37+89

33+57 37+37

33+55 36+88

33+08 36+89

33+06 35+40

32+58 35+38

32+56 35+89

32+10 35+87

32+08 35+89

31+60 35+87

31+58

31+01 Car running West

30+99 Car running East for A

for A Street
Street

33+83 and 33+85 - Hamilton
House on First St

First street North of A

WN	E	WN	E
	40x95		over
40x98		42x89	6 in yarning
	40x69		
40x67		Sout's line Cedar	
	40x45	42x20	Iron
40x43			41x93
	40x18	41x91	
40x16			41x69
	39x94	41x67	
39x92			41x44
	39x70	41x42	
39x68			41x19
	39x44	41x17	
39x42			
	39x19	North line of Beach st	
39x17			25 ft apart
38x58	6 in yarning	East fir	Beach street
South side Beach st			
38x40			
	Iron		

East for Cedar

25 ft apart

Beach street

First street running

North

W	E		
	45+23		48+04
44+21		48+02	
	44+99		47+79
44+97		47+77	
	44+95		47+54
44+93		47+52	
	44+48		47+30
44+46		47+28	
	44+24		47+04
44+22		47+02	
	43+99		46+80
43+97		46+78	
	43+74	46+18	6 in by bar Dot running East
43+72			
	43+49	Intermediate	
43+47		46+66 Dms	
	43+29	this is on account of Curloat	
43+24			45+74
	42+99		45+92
42+97			45+49
			45+47

First street North of Dote

W E W E W E

50450 North line of Elm St
50458

49498 line of running East for Elm Street

South line Elm

49480 line

52434

52432

54115

vol

49464 52408

49452 52404 53499 line

49429 51484

49427 51482

49404 51459

49402 51457

48478 51434

48474 51432

48454 51409

48452 51407

48429 51483

48427 50481

South line Fir

53450 line

53409

53407

52485

52483

52468

52456

line of running East

St

First meet Running Watts

from First meet

W	R			
			59169	
	56+63	59+67		
56+68			59+45	
	56+40	59+43		
56+38			59+19	
	56+14	59+17		
56+12			58+95	
		58+93		61+98 4 mi y running East for Hawthorn St
55+89			58+69	
	55+85	58+67		South in Hawthorn St
	55+64		58+45	
55+62		58+43		61+20 8 mi
	55+40		58+19	60+93
55+38		58+17		60+91
	55+14	57+58		6 mi y running East for Grape
55+12				
	54+98	South in Grape		60+69
54+88		57+40		60+67
	54+64		57+14	60+45
54+62		57+12		60+43
	54+40		56+90	60+19
54+38		58		60+17

First Street running North.

from A Street

W	E		
		67+29	
		67+29	
	64+24	67+08	
64+22		66+92	by East & High
	63+98	66+99	
63+96		66+77	
	63+74	66+58	
63+72		66+56	
	63+50	66+29	
63+48		66+27	
	63+24	66+08	68+54 End of
63+22		66+01	68+52
	63+00	65+99	68+50 com
62+98		65+99	68+29
	62+78	65+18	com y running East
62+71			68+27
	62+49	South side Jwy	68+05
62+47		65+00 Jms	68+08
	62+25	64+93	67+99
62+23		64+71	67+77
	61+99	64+49	67+55-
61+97		64+47	67+58

Pipe on First Street 25 ft south of Jwy
 by running East to Jwy
 yarning West for Jwy per 11
 for Log 81

for Jwy Tank

Second sheet mining North from B street

W	E			
Extra	33+67	Sisters of Charity	38+14	are
	33+59		38+12	
33+57			36+14	37+91
	33+85	36+12		37+89
33+33			35+89	37+63
	33+10	35+87		37+61
33+08			35+64	37+39
	32+84	36+62		37+37
32+82			35+40	37+15
	32+60	35+38		37+13
32+58		34+78	Can y mining	East for A street
	32+34	Yours line A.V.		
32+32		34+60	Can	36+89
	32+60		34+35	36+87
32+08		34+39		36+65
	31+85		34+09	36+63
31+83		34+07		36+41
	31+59		33+85	36+38
31+57		33+83		
30+98	Can	y mining	East for B street	

NW 2

40x43

40x45-

40x17

40x19

39x93

39x95-

39x56

39x58

39x42

39x44

39x17

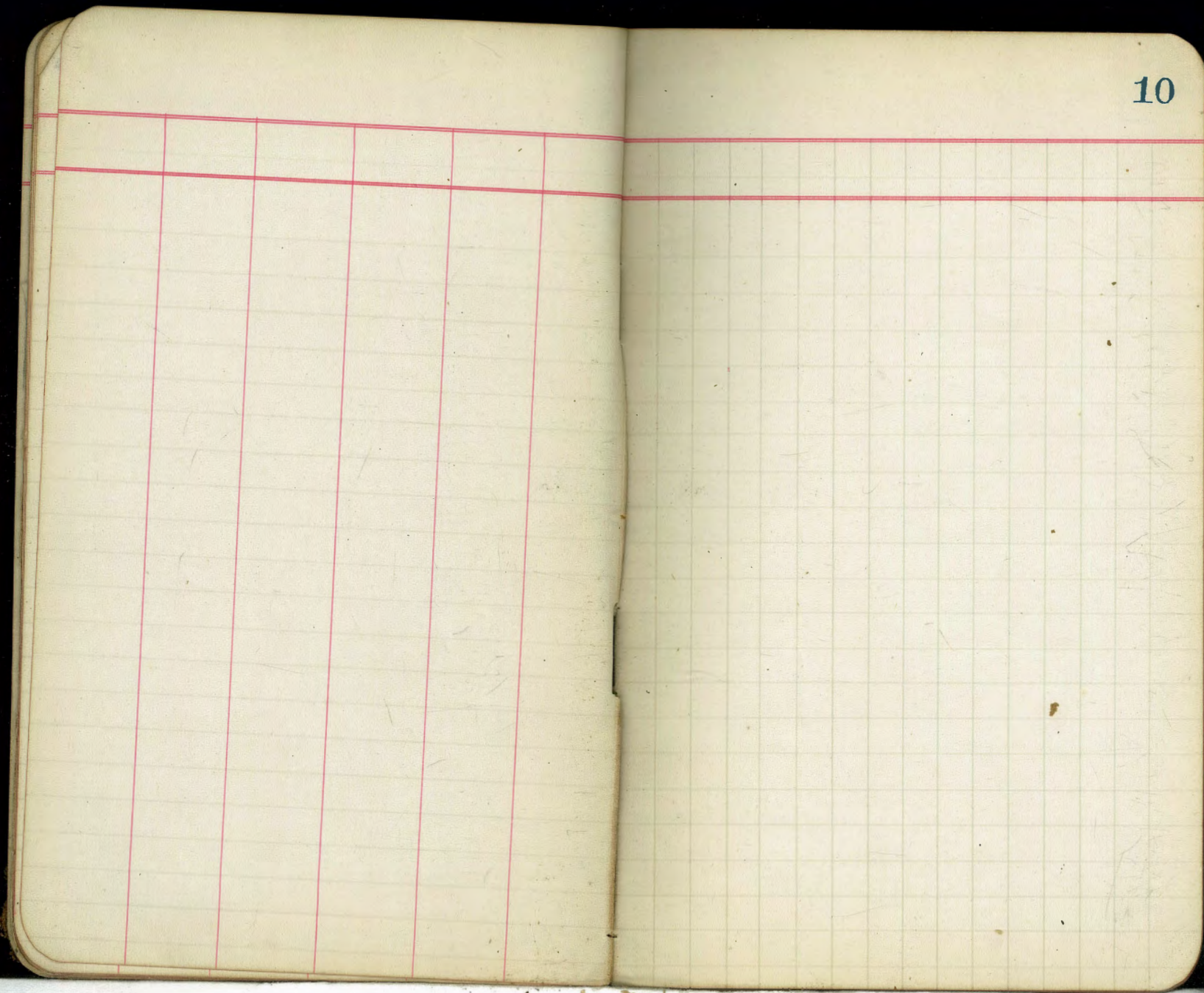
39x19

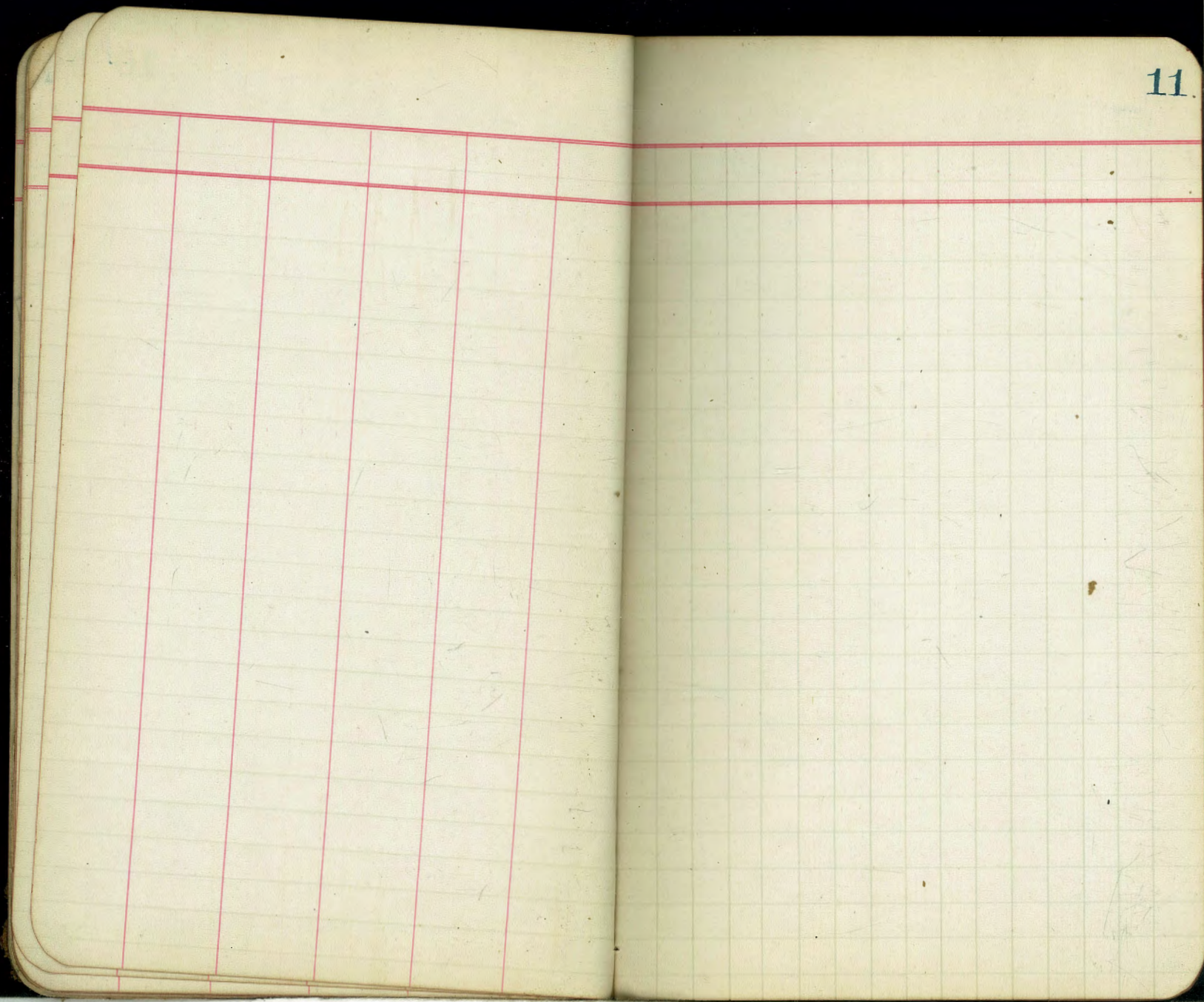
38x59

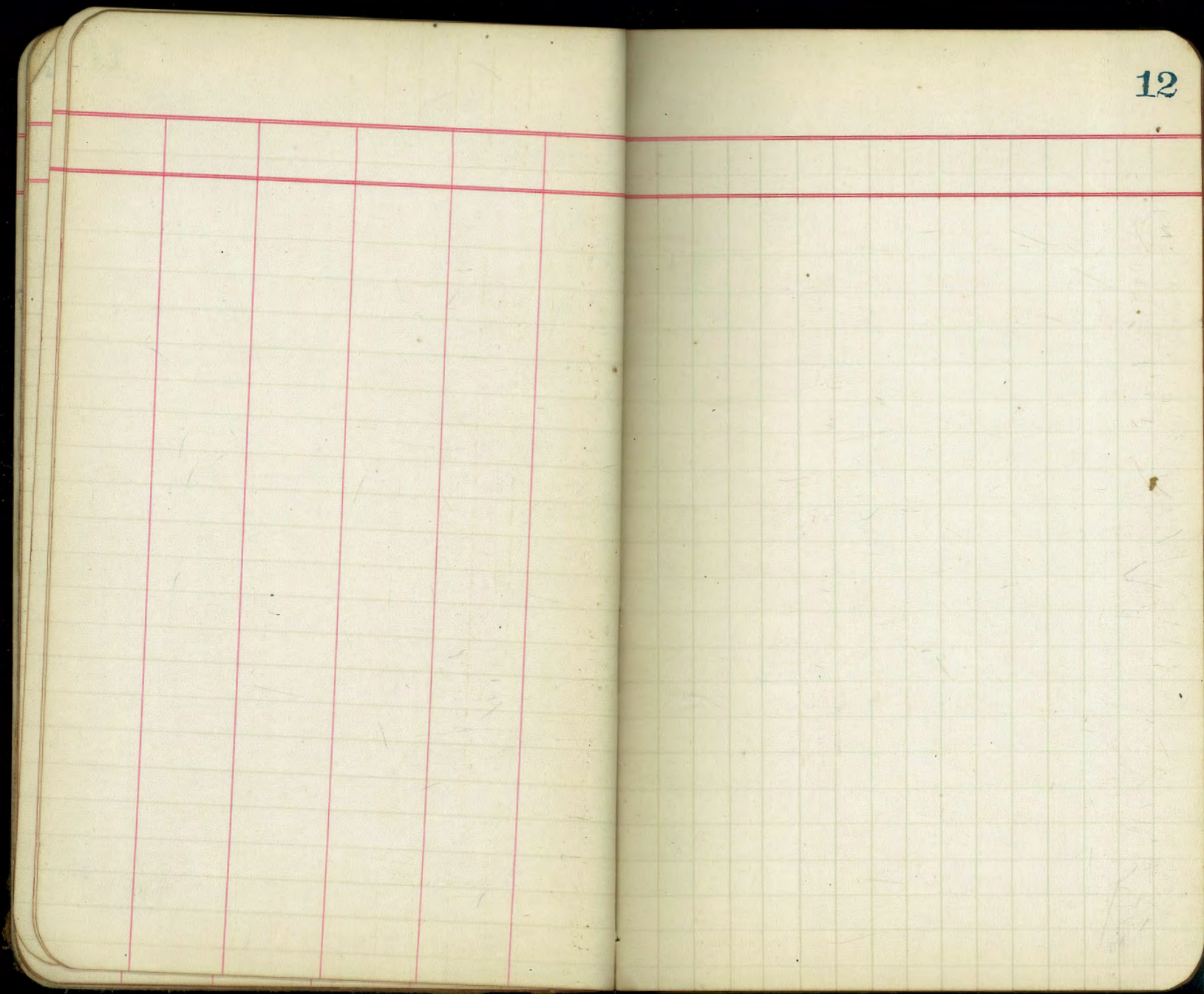
3 mi E of summit of Mt. A

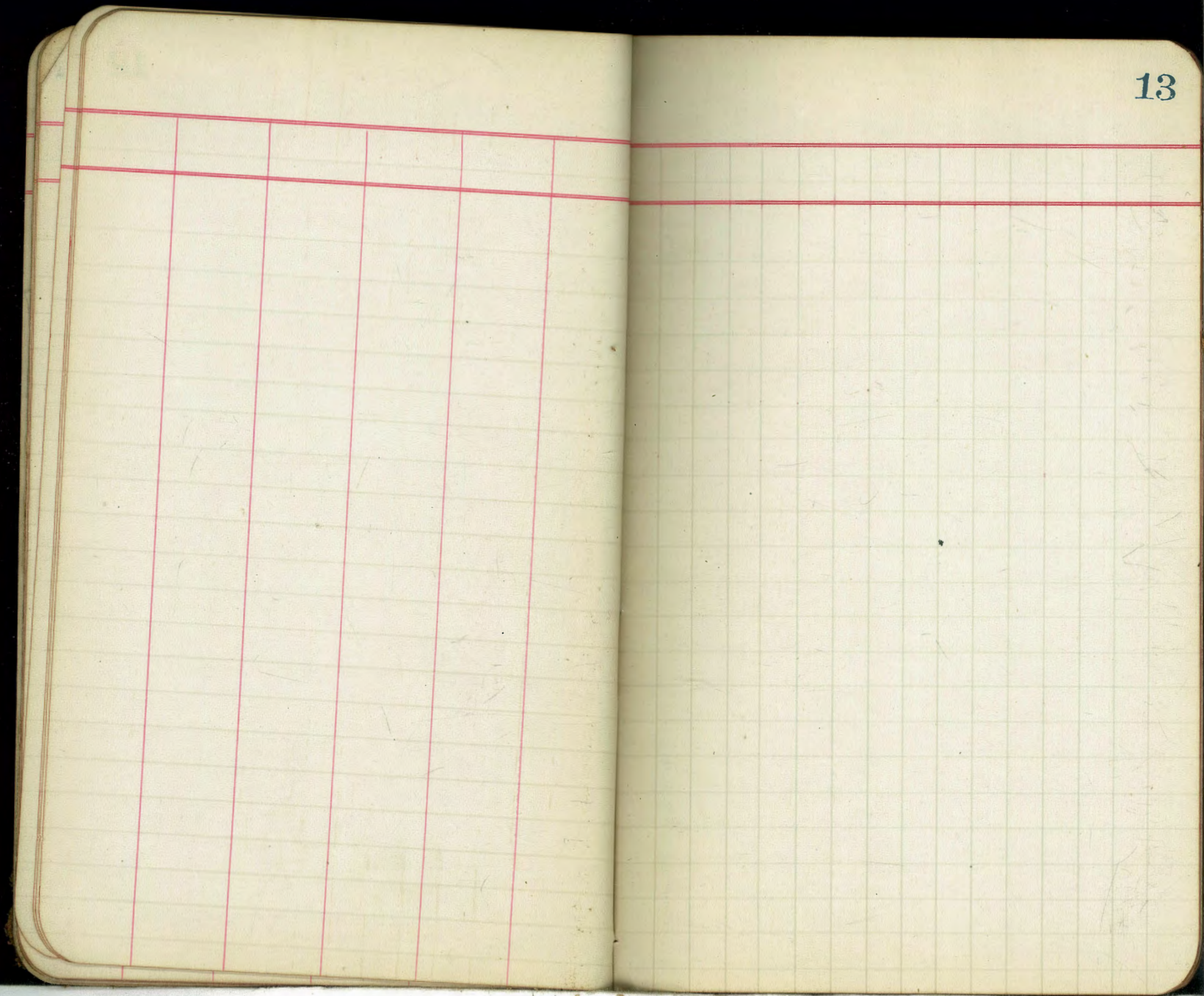
South line of Mt. A

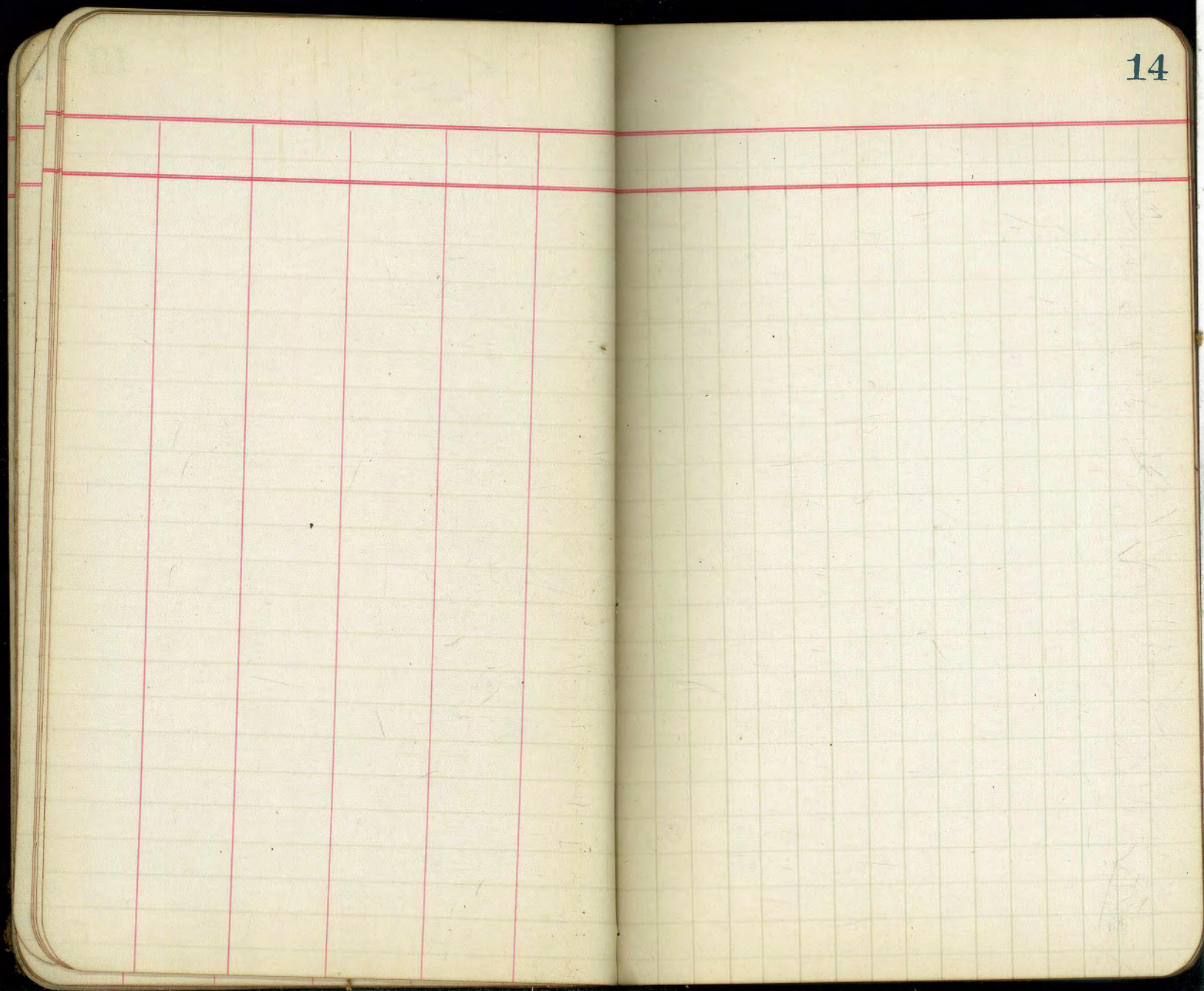
38x40



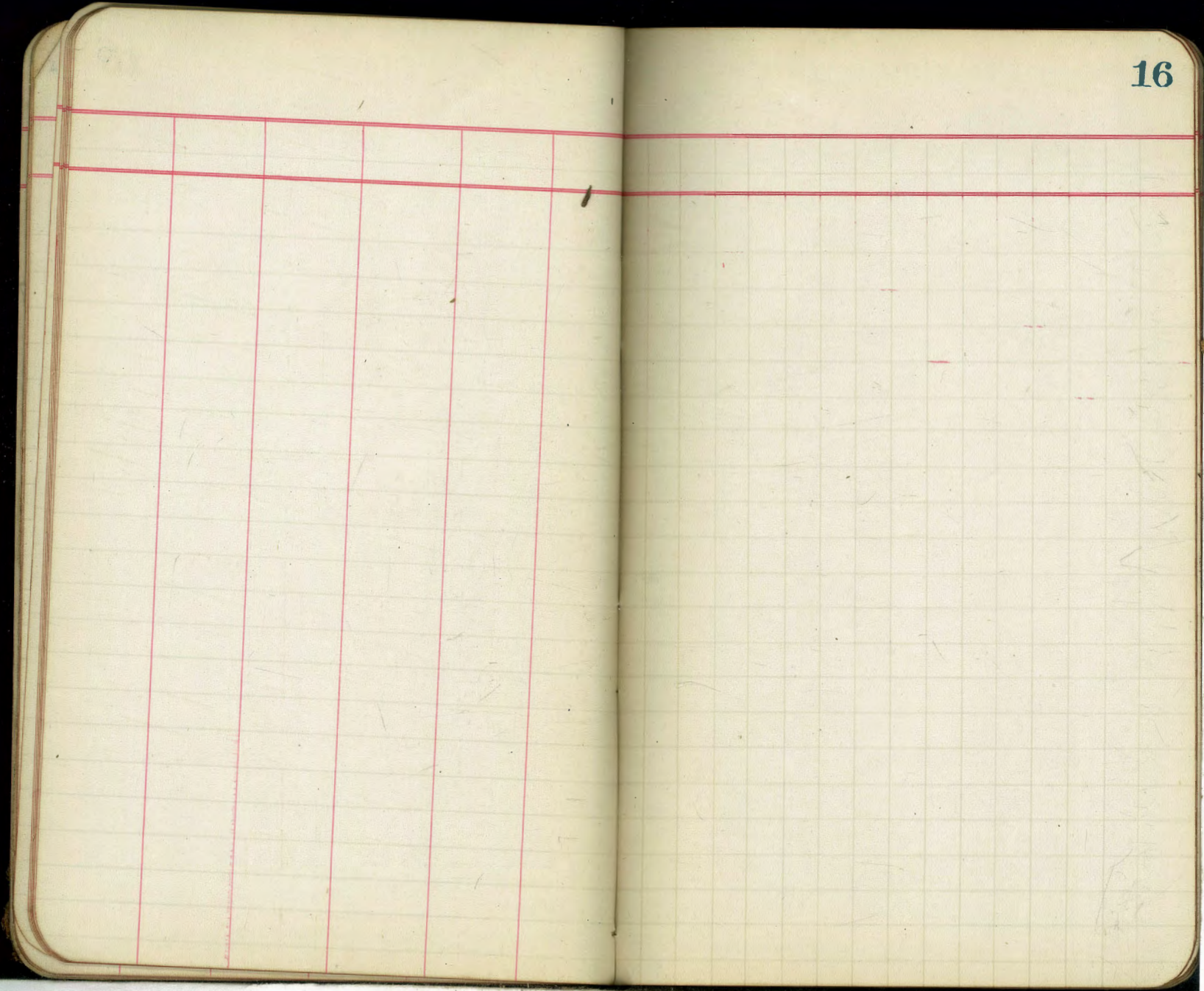


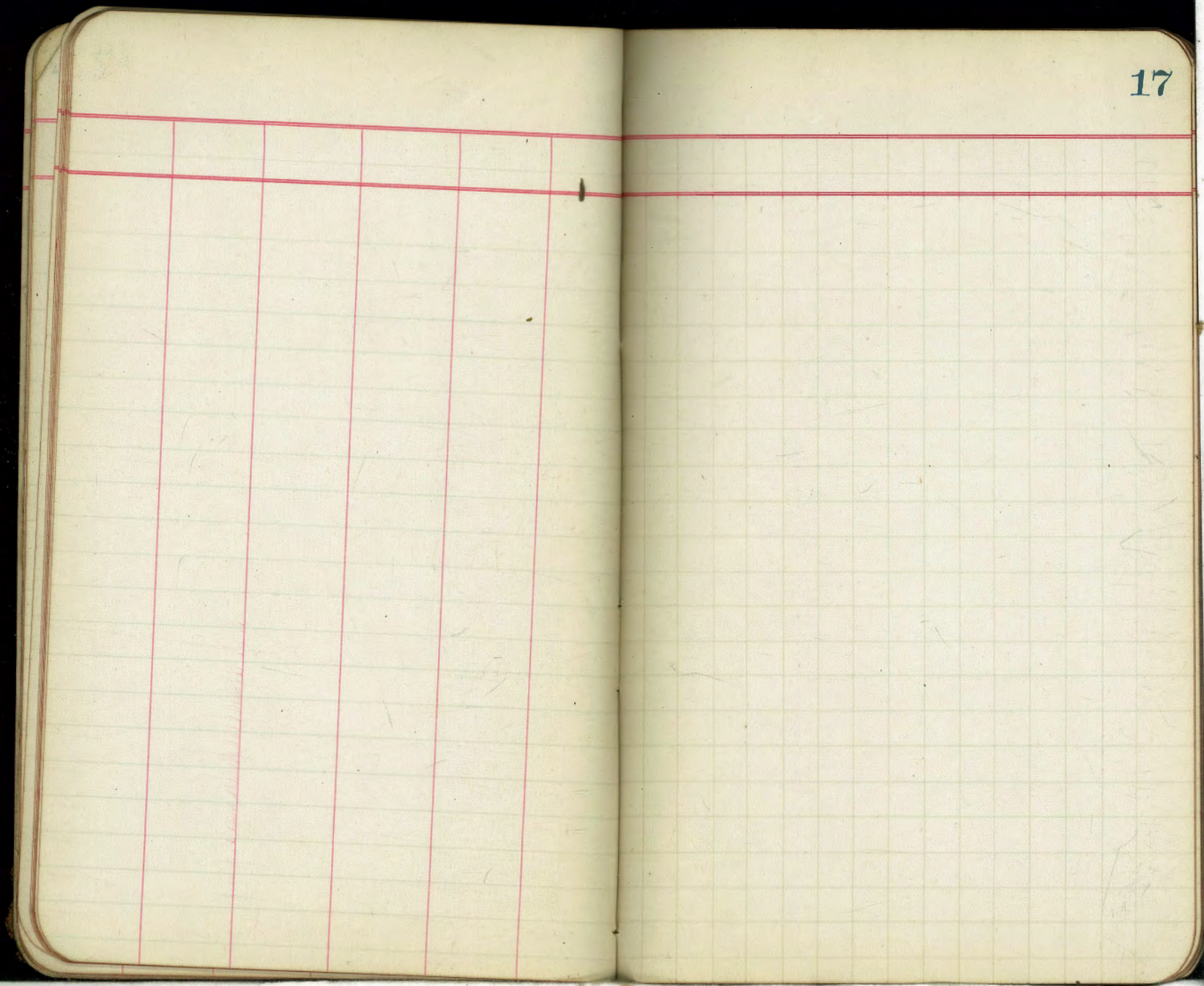


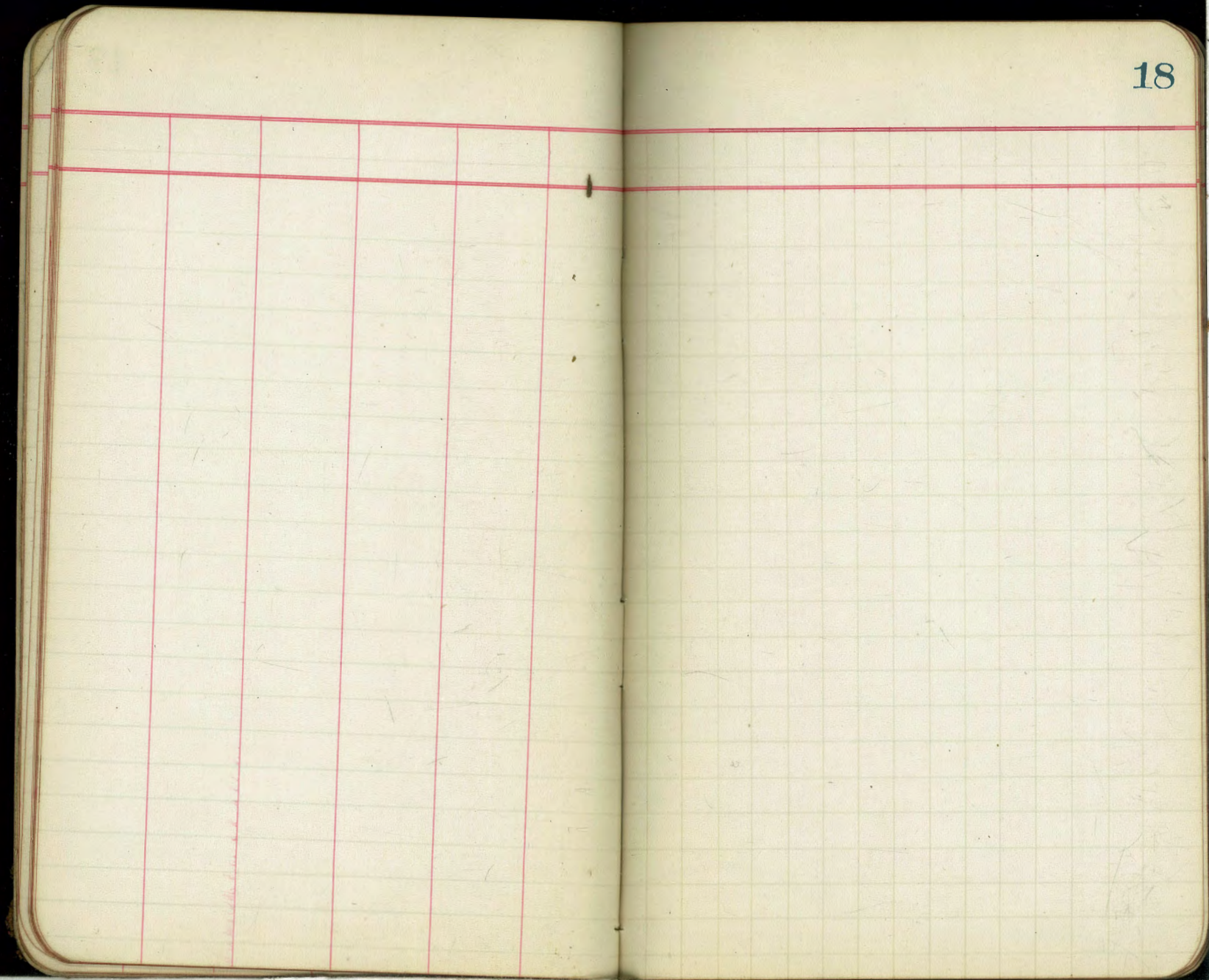


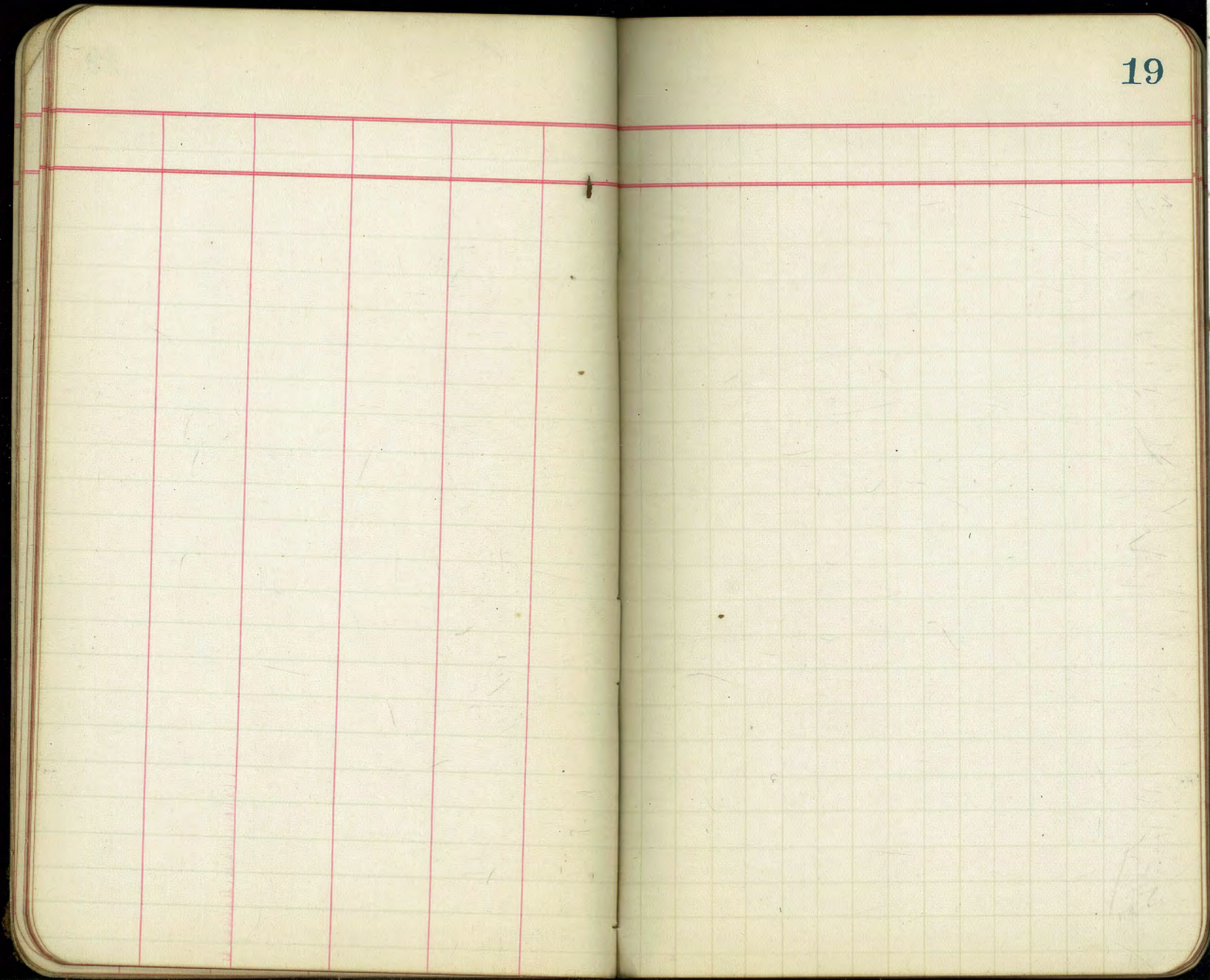


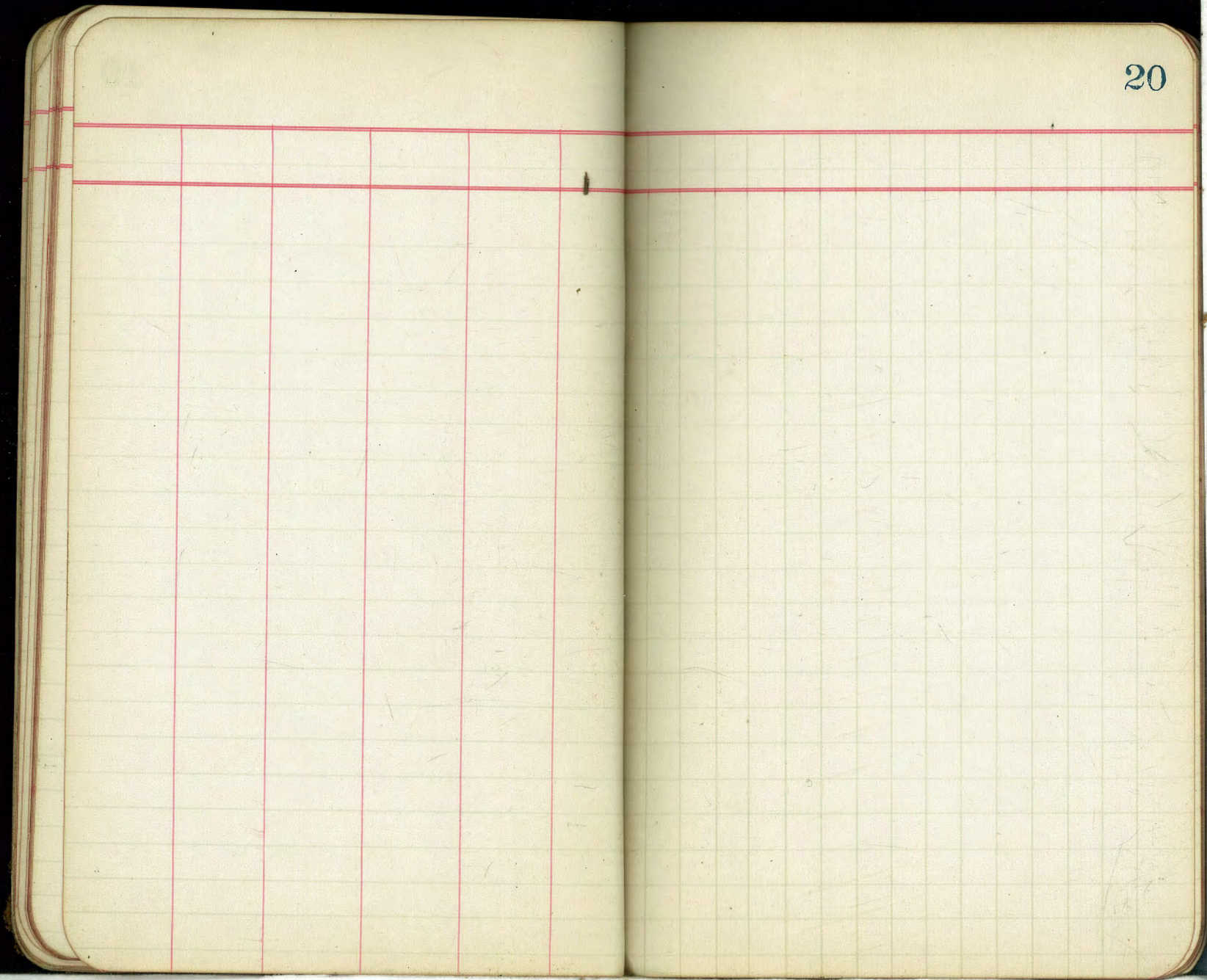
The image shows an open notebook with two pages. The left page features a grid of light green lines with two prominent vertical red lines and two horizontal red lines, creating a header section. The right page is a standard grid of light green lines. The pages are cream-colored and show signs of use, including a small dark spot on the left page and some faint smudges on the right page. The notebook is placed on a white surface against a dark background.



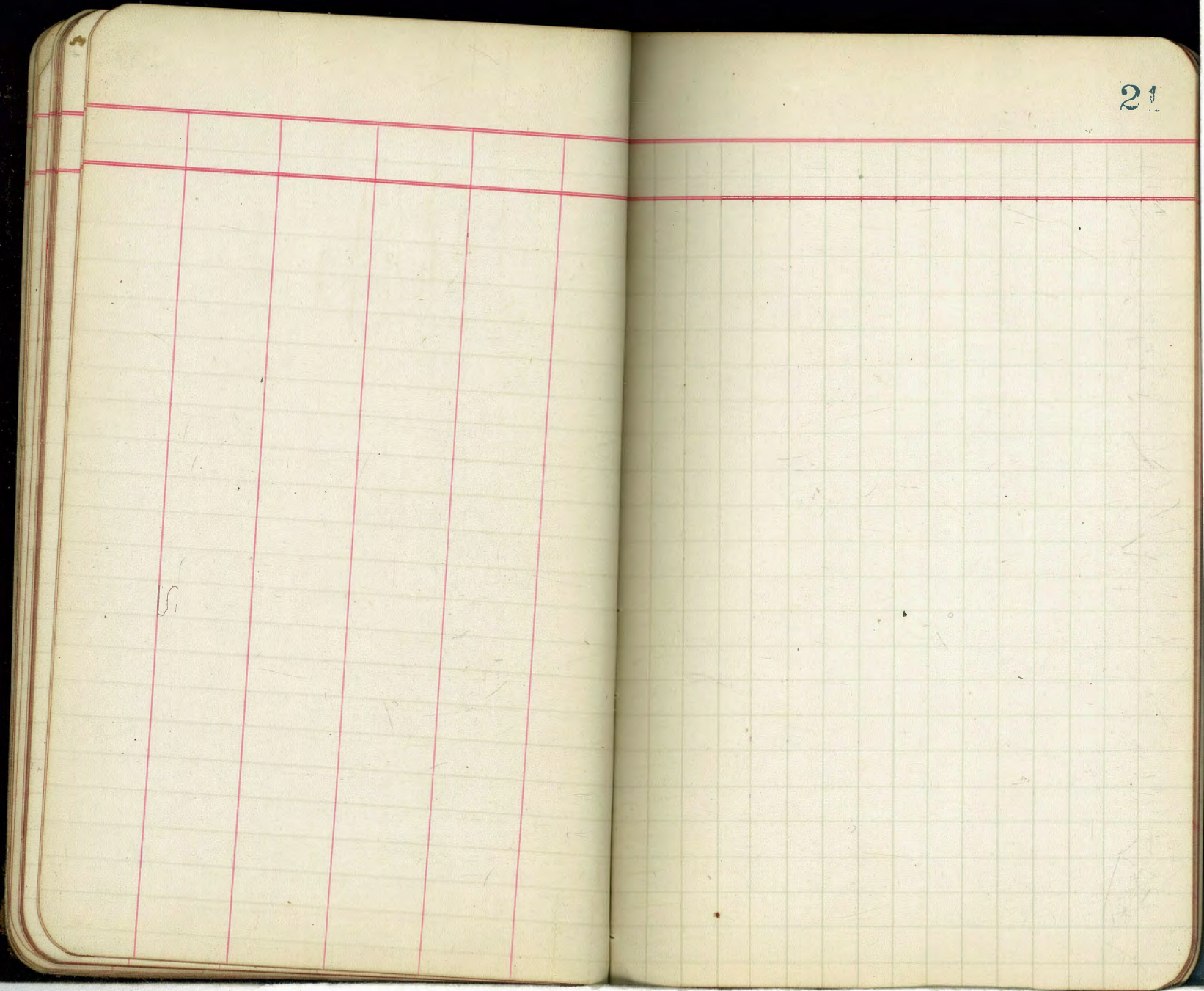


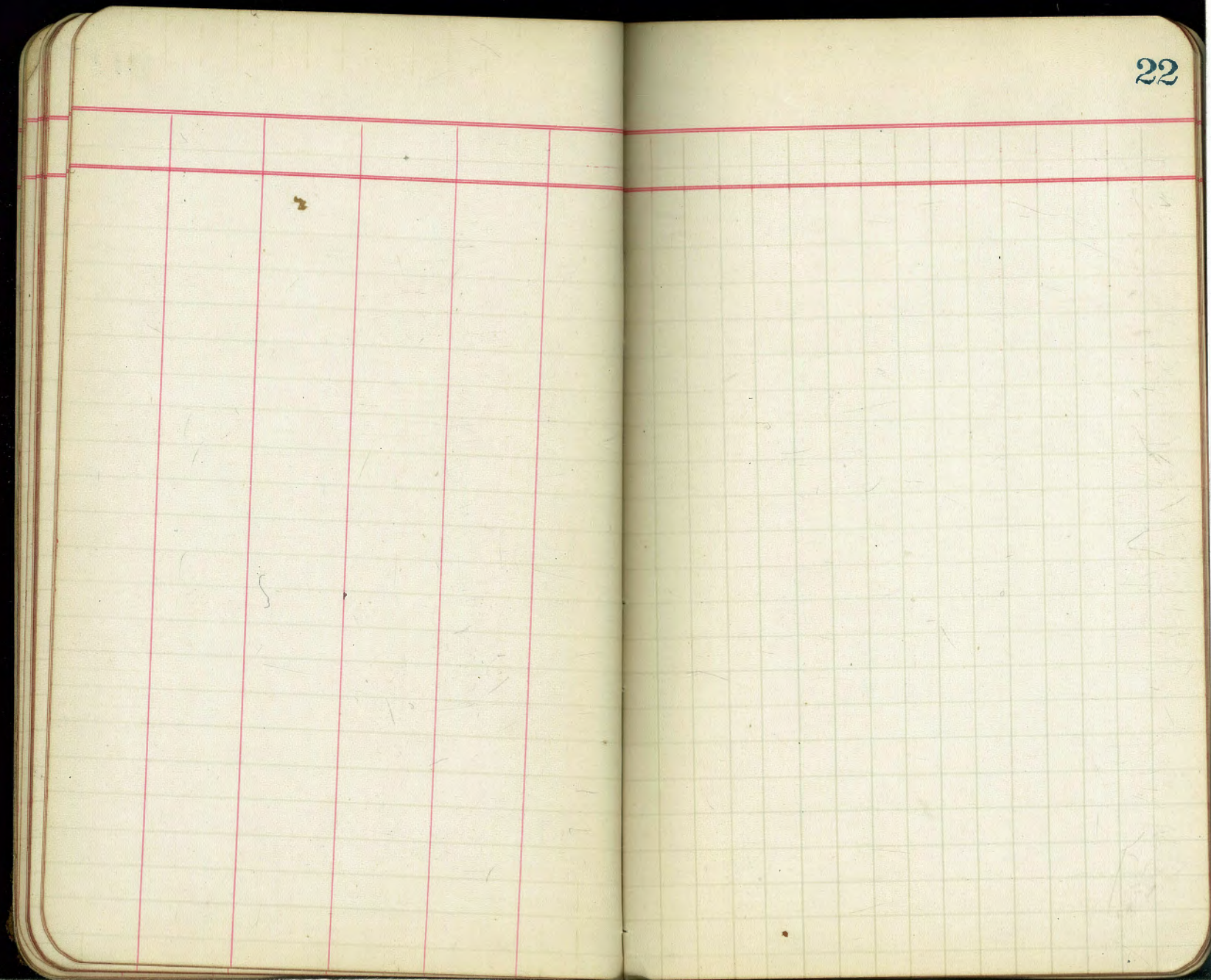




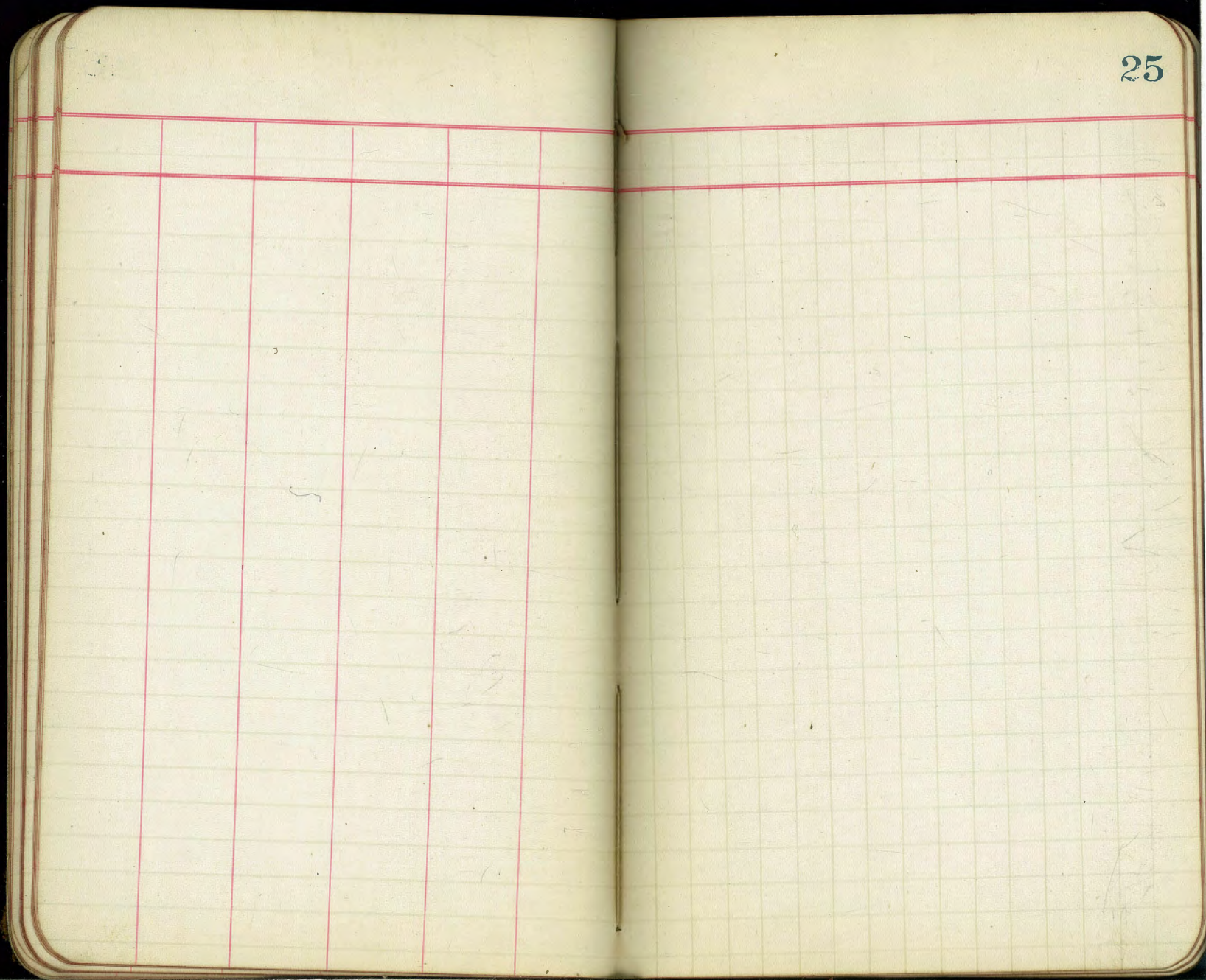


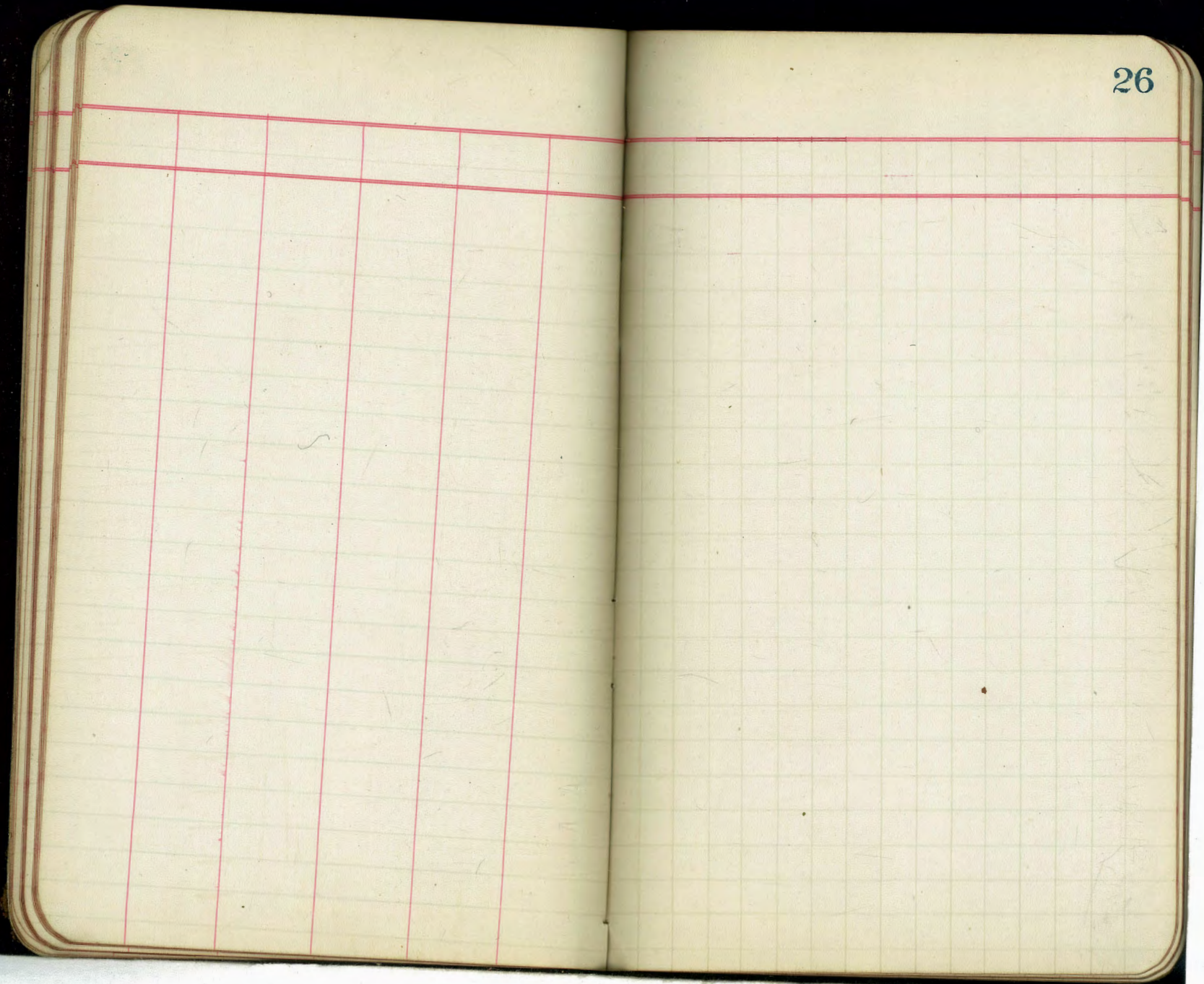




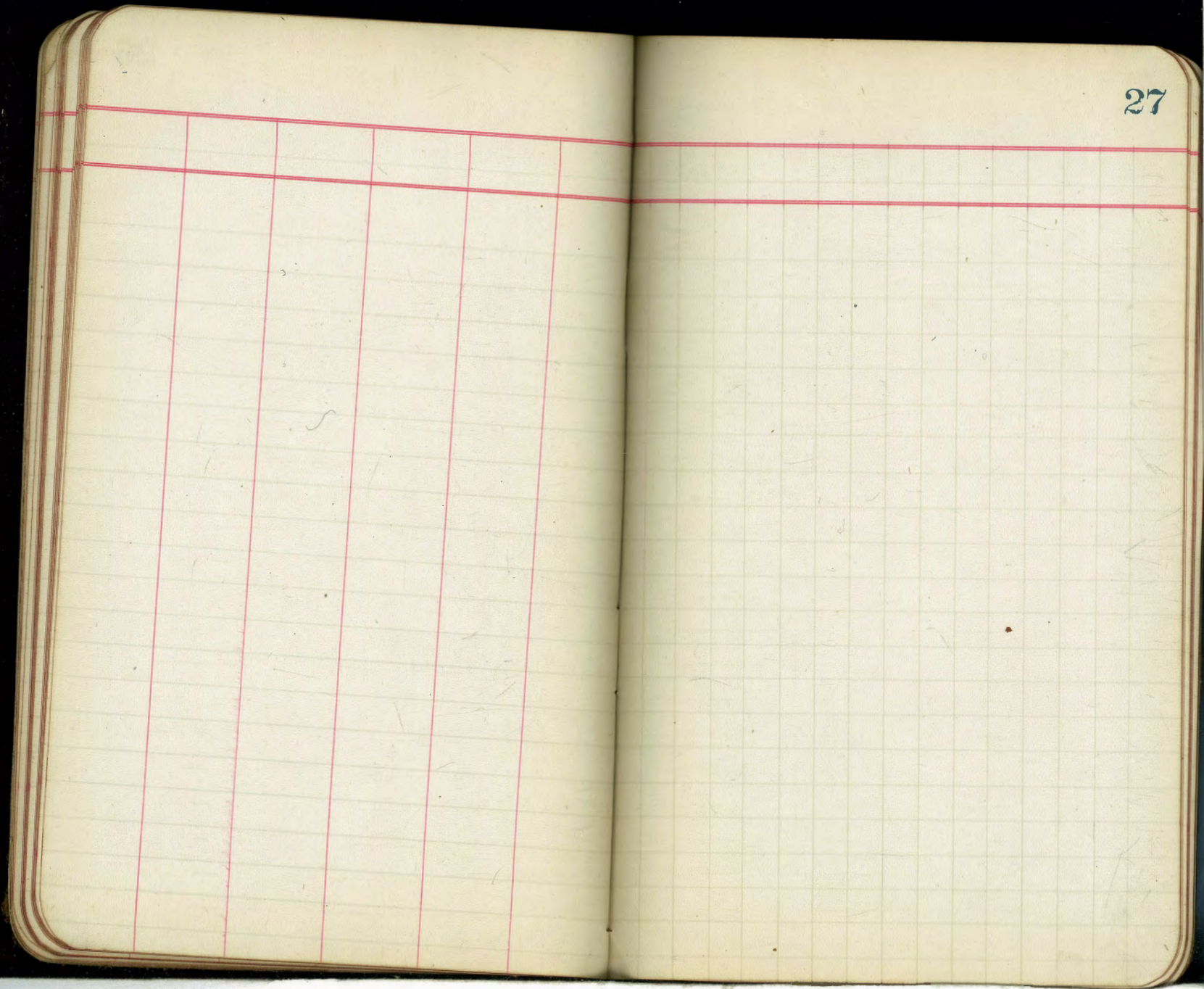


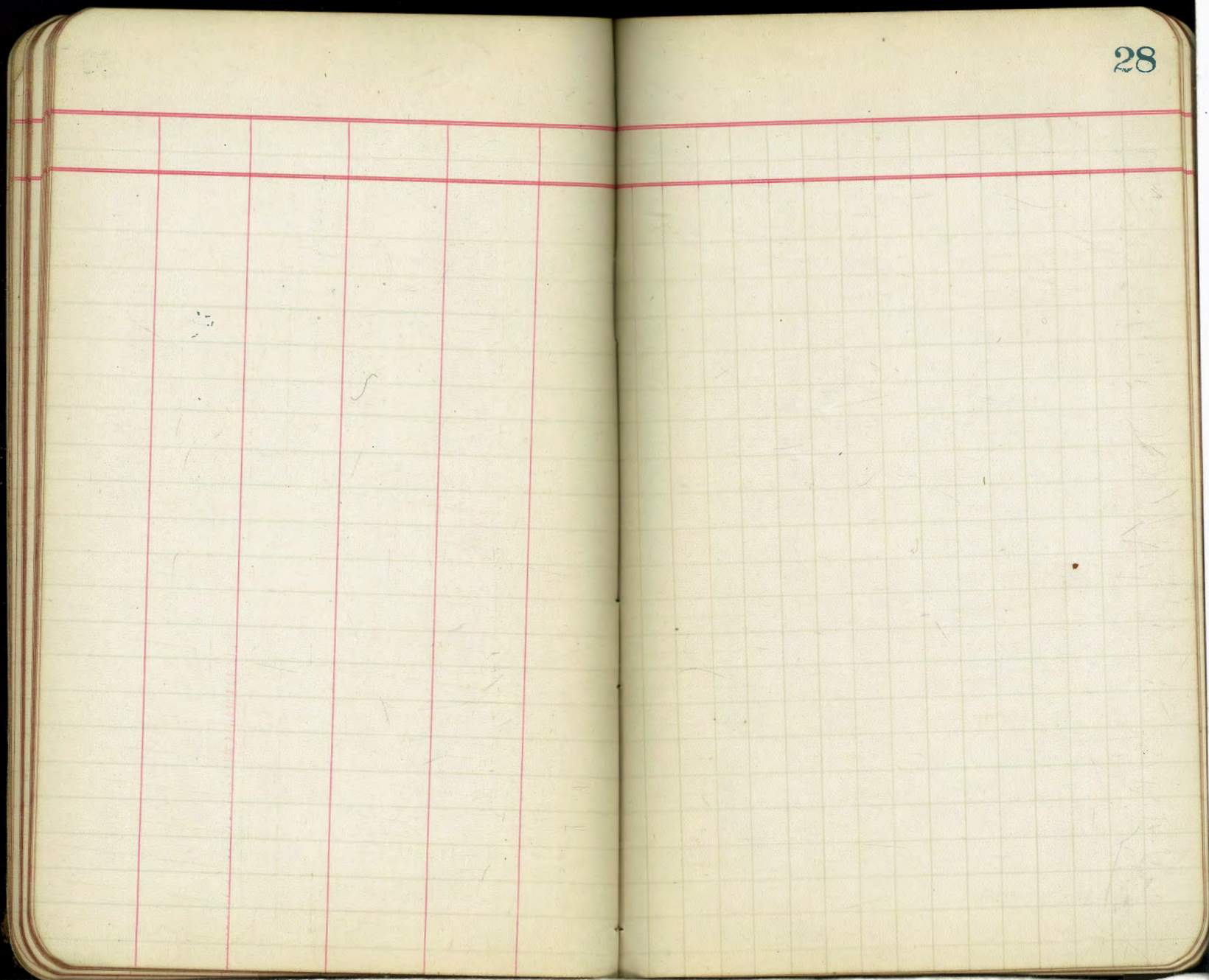
The image shows an open notebook with two pages. The left page is ruled with horizontal lines and has five vertical red lines that create a table with five columns and 20 rows. The right page is ruled with horizontal lines and has 20 vertical green lines that create a grid with 20 columns and 20 rows. The number '24' is printed in the top right corner of the right page. The notebook is placed on a white surface, and the background is dark.

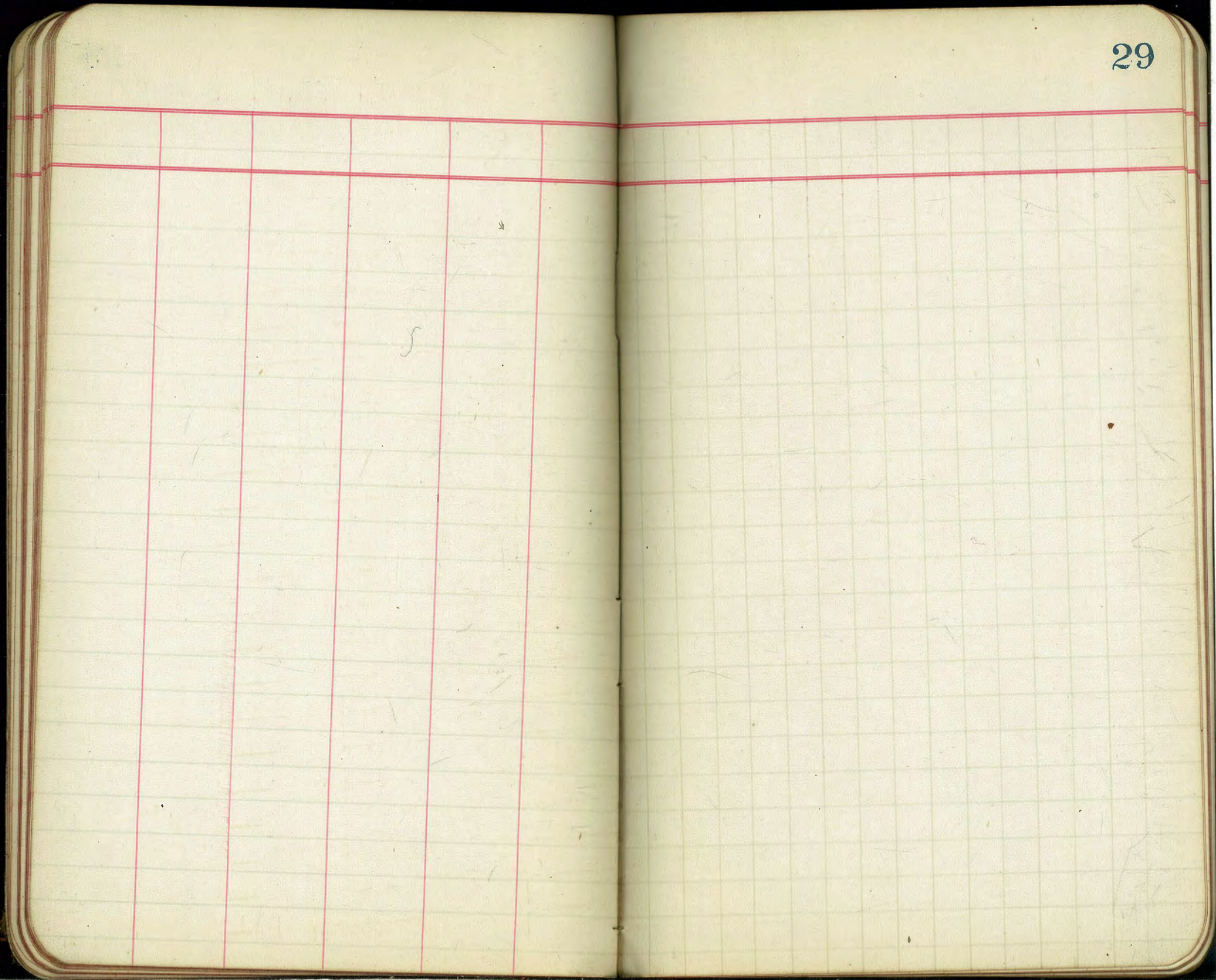




27



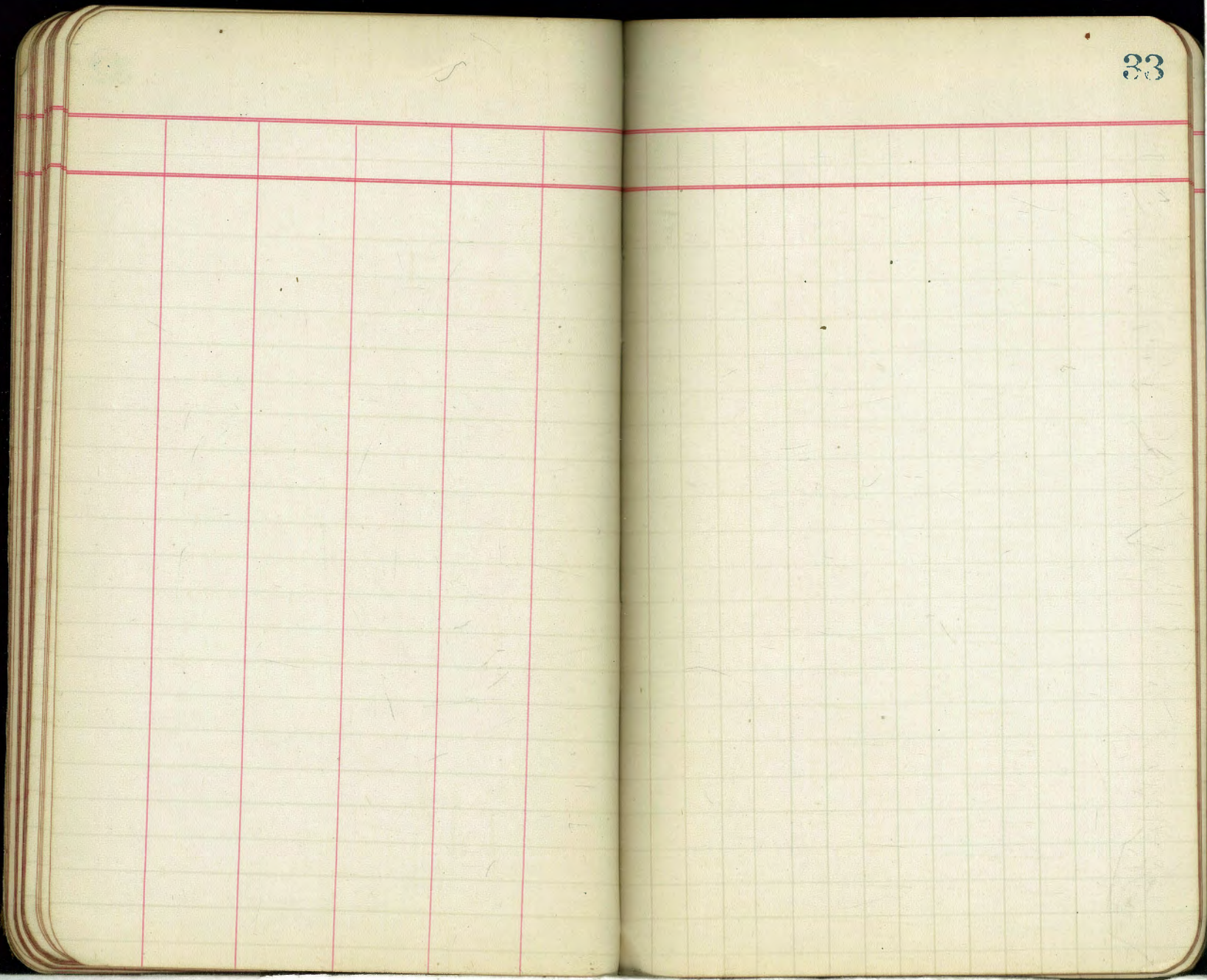




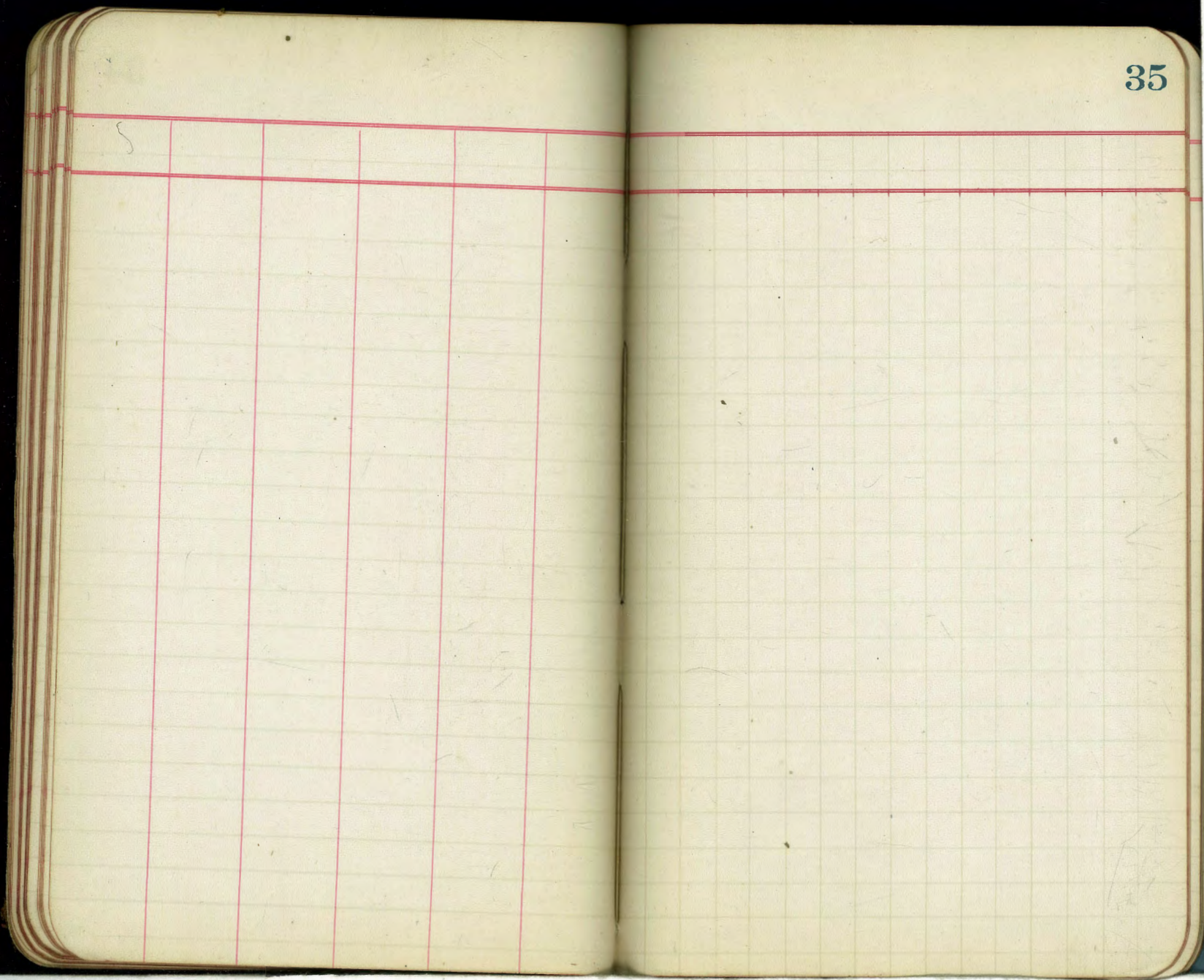
The image shows an open notebook with two pages. The left page is ruled with a grid and has a small handwritten '5' in the center. The right page is ruled with a grid and has the number '30' in the top right corner. The notebook is placed on a white surface, and the background is dark.

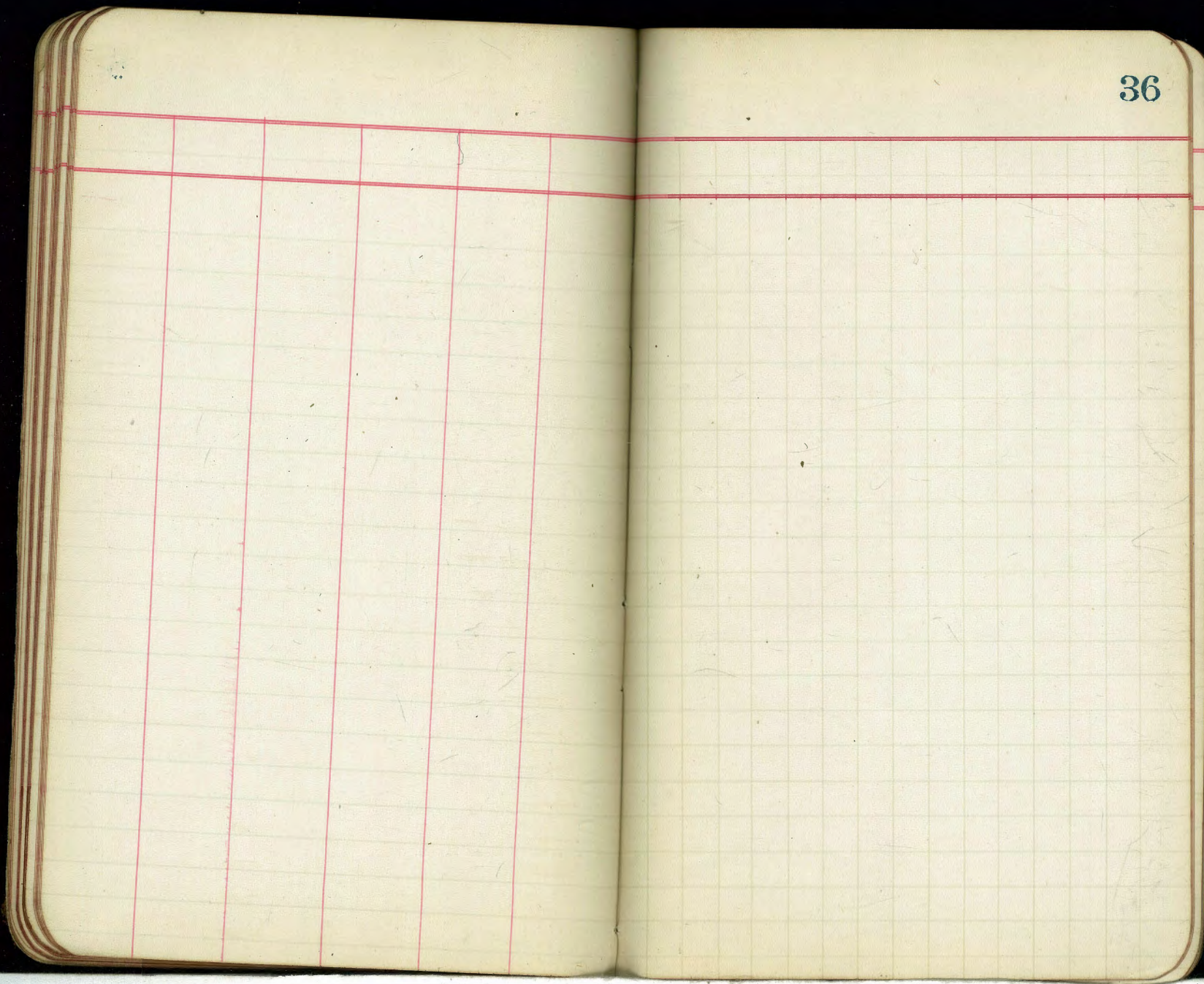
S

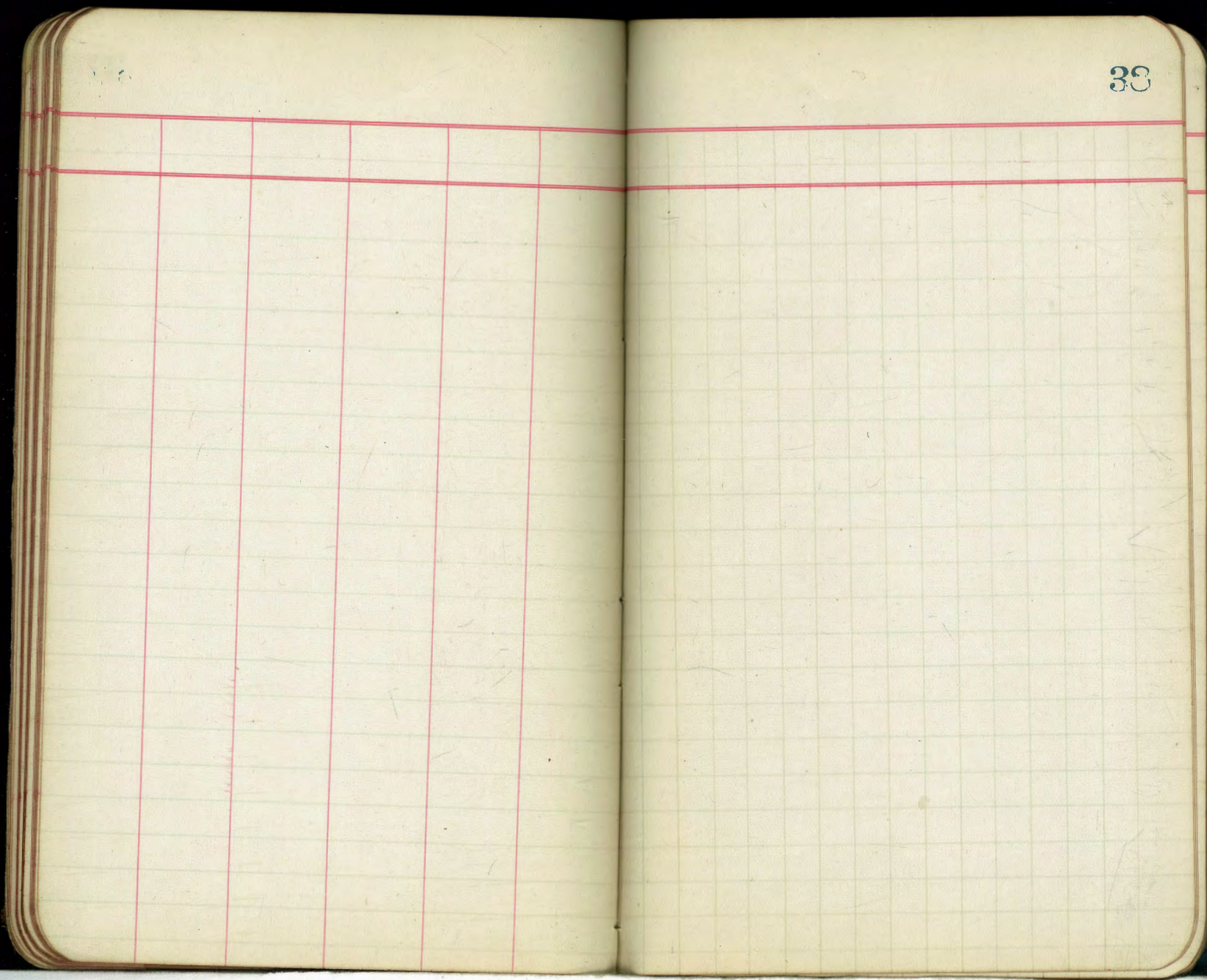
The image shows an open notebook with two blank pages. The pages are cream-colored with light blue horizontal ruling. The left page has a red margin line on the left side and a red header line near the top. The right page has a red margin line on the right side and a red header line near the top. The number '32' is printed in the top right corner of the right page. There is a small handwritten mark, possibly the letter 'S', in the top right area of the left page. The notebook is placed on a white surface against a dark background.

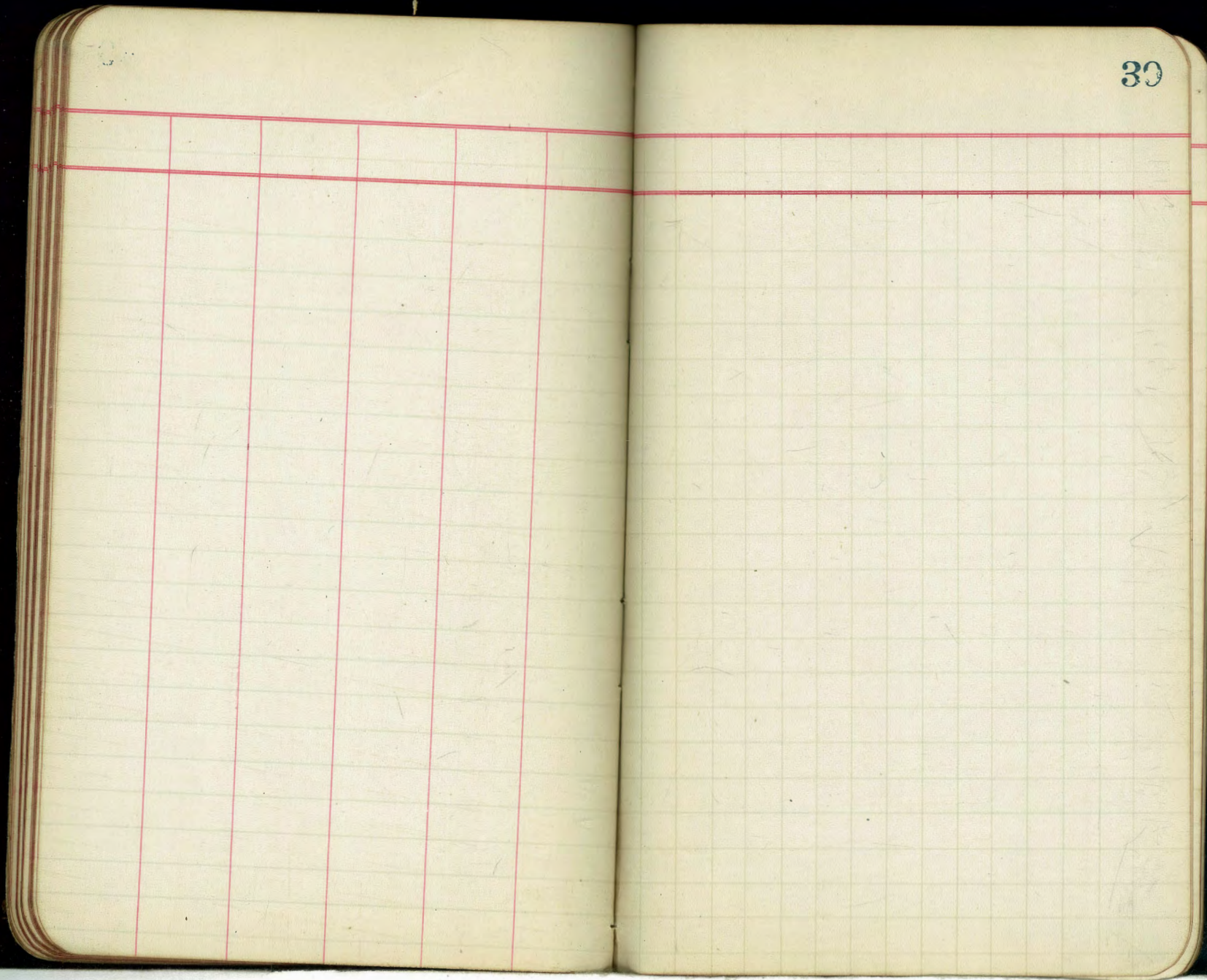


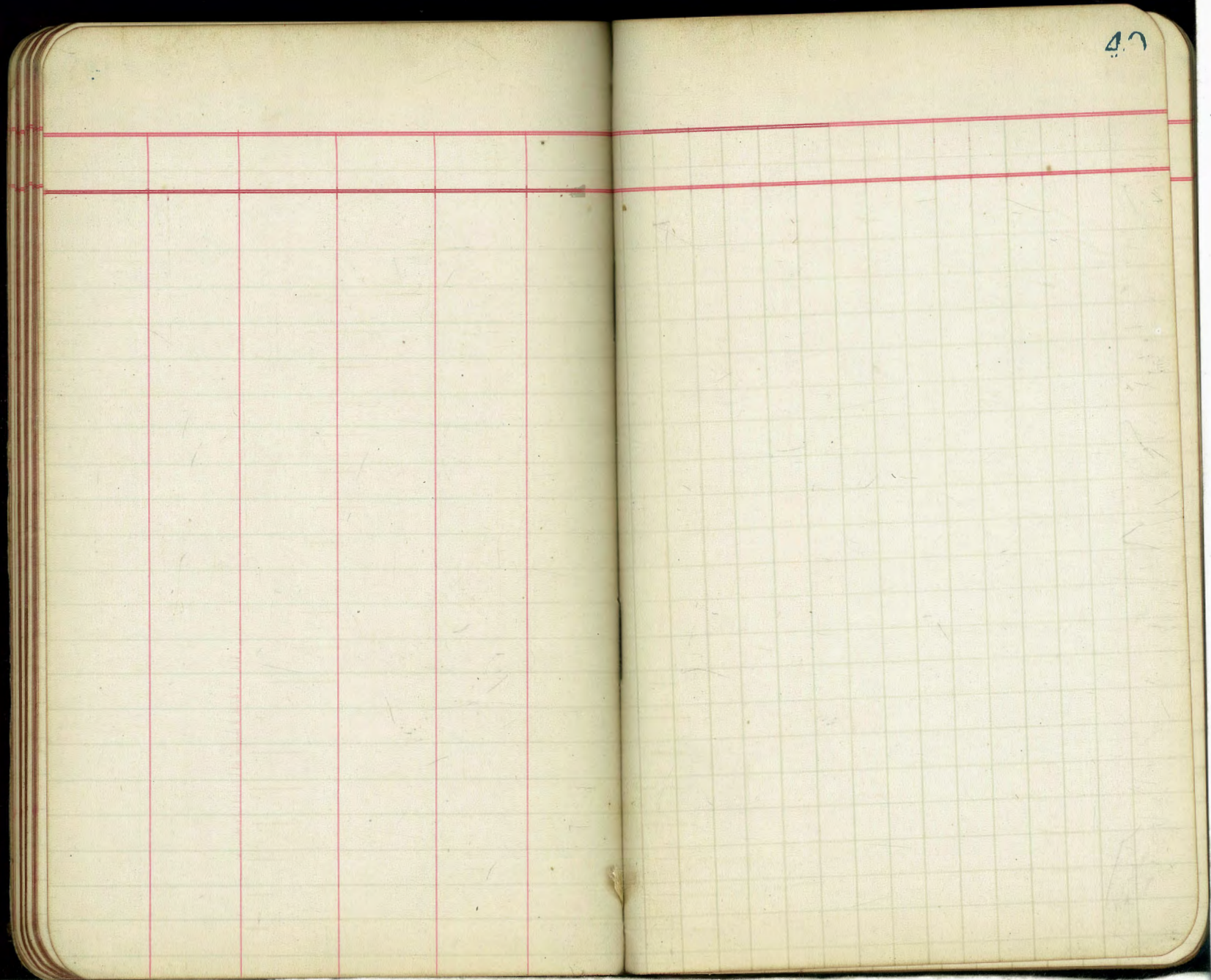
The image shows an open notebook with two pages. The left page is ruled with horizontal lines and has five vertical red lines, creating six columns. The right page is ruled with horizontal lines and has a grid pattern. The page number 34 is in the top right corner. The notebook is placed on a white surface against a dark background.

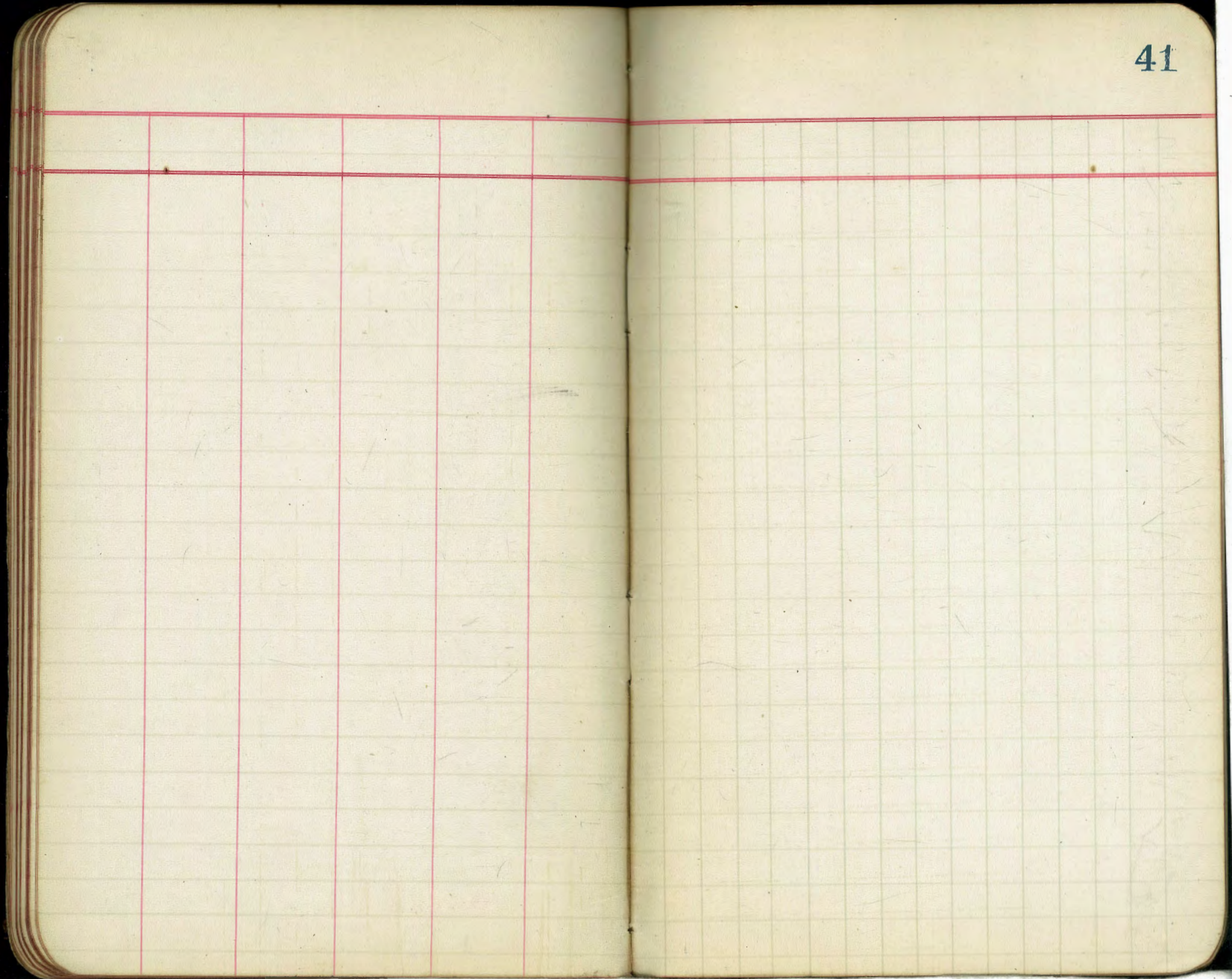




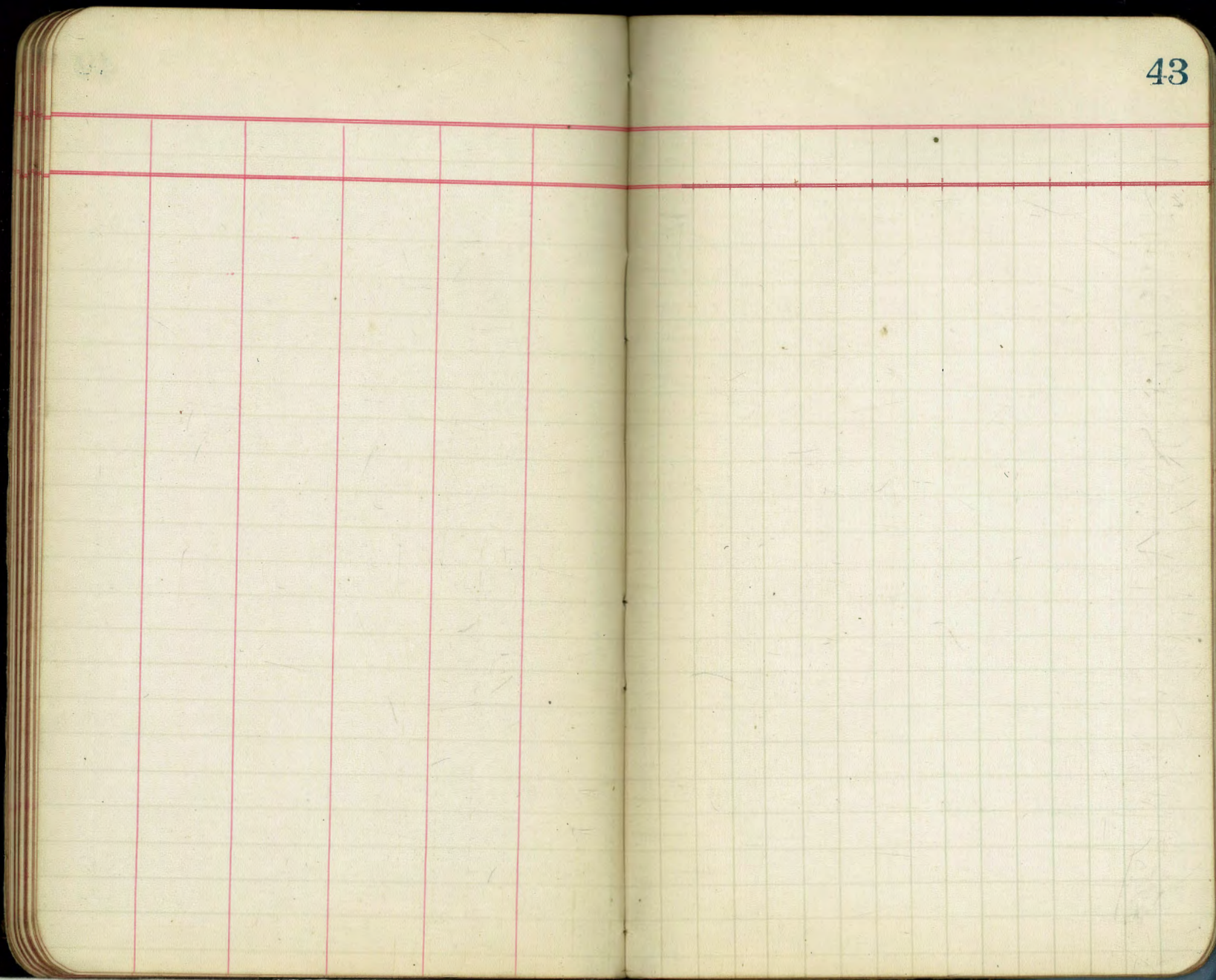








The image displays an open notebook with two pages. The left page is ruled with a table structure consisting of 5 vertical columns and 18 horizontal rows. The right page is ruled with a grid structure consisting of 20 vertical columns and 18 horizontal rows. The number '42' is printed in the top right corner of the right page. The notebook has a dark cover, and the pages are off-white with some minor discoloration.



Union Street morning

North from Act

W	E	W	E	West
South Sing Elm				
14+90	♀	17+64		
	14+71			
14+69		17+89		
	14+45½			
14+43½		17+13½		
	14+21			
14+19		16+89		
	13+9½	16+72	6 in 2 for	Albatross st
13+94		16+70		
	13+70½	16+50½		
13+68½	Angel	16+48½		
	13+44	16+26		
13+44		16+24		
	13+20½	16+61½		
13+18½		15+99½		
	12+95	15+75½		
12+93		15+73½		
	12+70	17+88		
12+58		15+14	6 in 2 morning East	for Elm

all right morning

Main street running North of Ash

W	E	W	E	W	E
	8x17				
8x15					
7x56	Cm of running East for Cedar				
					12x44 1/2
South line Cedar		10x17 1/2	12x42 1/2		
7x87	J	16x15 1/2			12x18 1/2
	7x12		9x91 1/2	12x16 1/2	
7x10		9x89 1/2			11x99
	6x87 1/2		9x67	11x91	
8x85 1/2		9x65			
	6x62		9x42 1/2	11x92	Cm of
6x60		9x40 1/2			East for Date
	6x39 1/2		9x17 1/2	South line Date	
6x35 1/2		9x15 1/2		71x14	J
	6x12		8x92		10x92
6x10		8x90			10x90
	5x86		8x67		10x67 1/2
5x84		8x65			10x65 1/2
	5x62		8x41 1/2		16x41 1/2
5x60		8x39 1/2			10x39 1/2

and

Union Street North of 8th

	W	E	W	E	
8+		2+81½		5+38	over
7+	2+79½		5+34		
		2+57		5+11½	
7+	2+55		5+09½		
		2+31½		4+87	
7+	2+29½		4+85		
		2+07			
8+	2+05		4+70	Ext. way by for Mr. Reg	west
		1+81½		4+62½	
6+	1+79½		4+50½		
		1+57		4+37	
6+	1+55		4+35		
		1+32	3+75	Car by E for Beed	
6+	1+30		South line Beech		
		1+07	3+57	Fms	
5+	1+05			3+32	
		0+82	3+30		
5+	0+80			3+07½	
		0+58	3+05½		
	0+56		commence from Elm Street on		

Ext. to City pipe up Union Street North

From
210° Sanifer 01.



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	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	89
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	89
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	89
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	89
5	99.62	8.72	99.58	9.35	99.54	9.58	99.50	10.02	89
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	89
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	89
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	89
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	89
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	89
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	89
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	89
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	89
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	89
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	89
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	89
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	89
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	89
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	89
20	93.97	34.29	93.82	34.61	93.67	35.02	93.51	35.43	89
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	89
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	89
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	89
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	89
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	89
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	89
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	89
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	89
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	89
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	89
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	89
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	89
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	89
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	89
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	89
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	89
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	89
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	89
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	89
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	89
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	89
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	89
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	89
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	89
45	70.71	70.71							89
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		