

370A

F.B. 370 A

PROPERTY NO.

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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	2 $\frac{1}{2}$	21	49	41	95 $\frac{3}{4}$
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	38	88 $\frac{1}{2}$	58	135 $\frac{1}{2}$
19	44 $\frac{1}{2}$	39	91	59	137 $\frac{1}{2}$
20	46 $\frac{1}{2}$	40	93 $\frac{1}{2}$	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be laid at the slope, to make one chain, horizontal measurement.

MICROFILMED
DEC 1 1964

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

ENGINEERING DEPARTMENT
CITY OF SAN DIEGO,
CALIFORNIA.

Comanche

79 Oct 3 1901 change of Men on S line of Bay

Sanuniation

6027 Sept 16-1878 Discription of cavers. SE, SW, and
Cor in Mission Valley

7

MI

1

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14

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16

17

18

19

20

In

AN

10

Oct 6th Dug around man at SE cor. and
found ad marks on the stone.
Found Mr. Steep who said the
stone had been there since '79 to his
knowledge and had not been moved.

Copy from Map by King 1
Random line -

0+00	SE Cor	Pl. Mon of H Ave N.C.
31+11 ⁸	4.7	Left to old 3x4 Post
48+50 ⁵	1.0	Right to Cor. Marked 18 on N. 19 on S
73+06	2.8	" " Cement Mon.
90+69 ²	6.8	" " " "
100+49	5.7	" " 3x4 Post
126+51	5.0	" " City limits past Cebola Creek
142+00	11.0	" " Hub in Beck mound
155+54	14.5	" " 3x4 Post
168+97 ⁵		King of A th standard
267+41	23	Right to City limits sign (El Cajon)
324+01 ⁵	34.7	Right to Pt in Mission Valley

Bearing Random line N 16° 16' W

" Corrected " N 16° 12' W

South limit 371 W

6515.8 length of S line of City by King

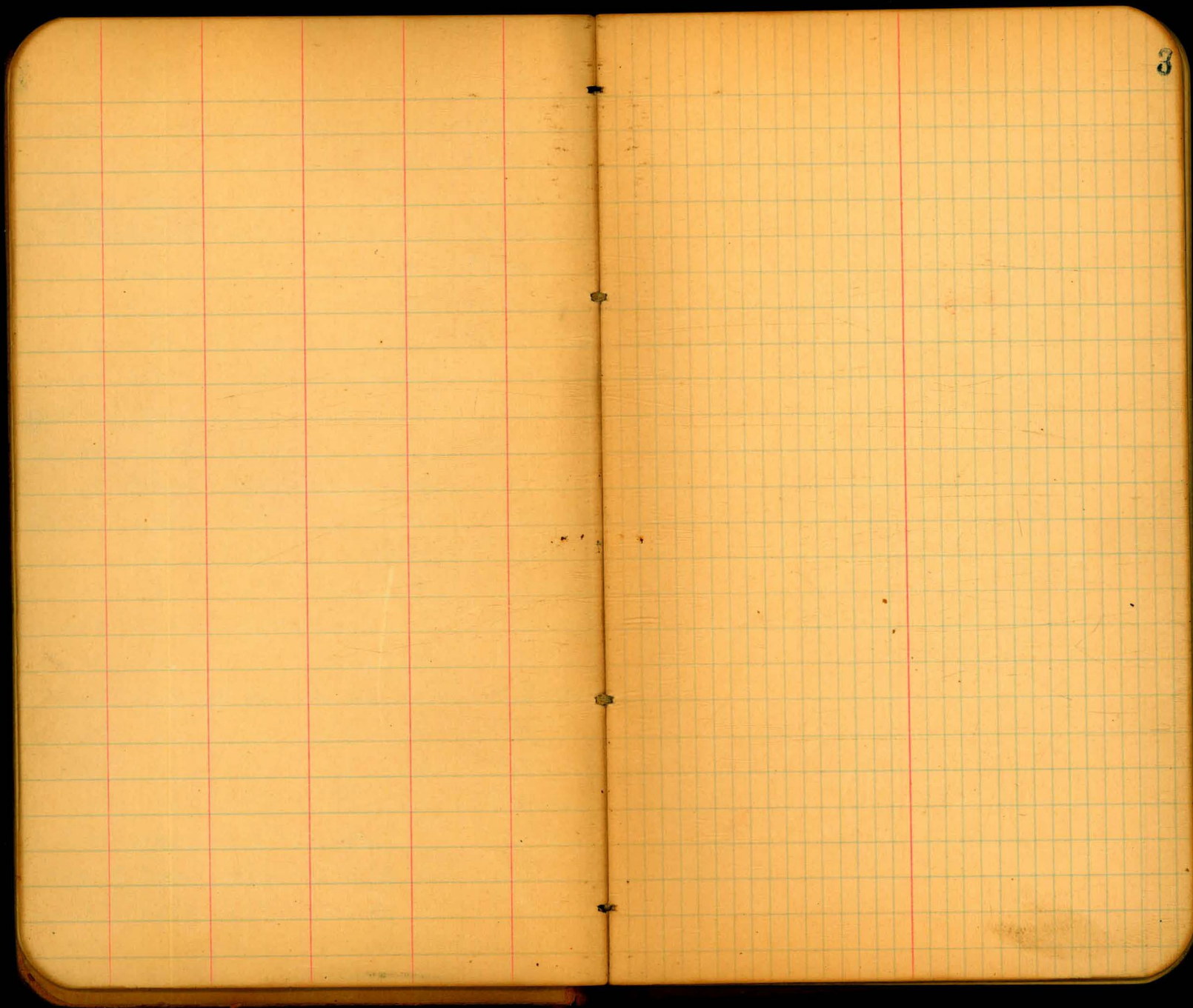
6527.4 " " " " Hayes

Found Granit Mon at Intersection
of M.L. National Ranch and $\frac{1}{2}$ of
H. Ave.

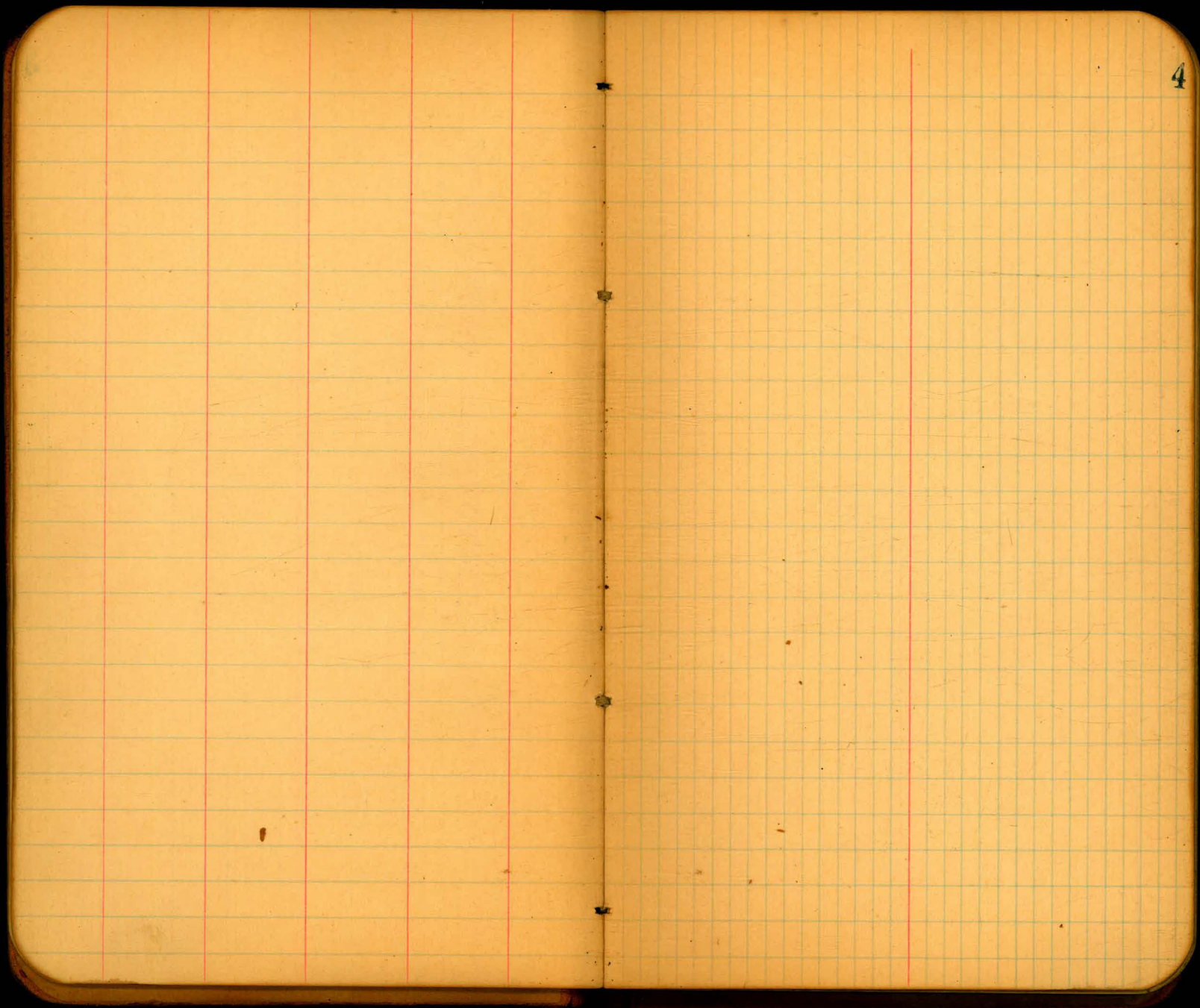
Determined random line by this
Mon and a pt 8.04 East of old 3×4
Post at Sta 31 + 11.8 of Kings line.

0 + 00	Mon	SE Cor Pueblo	
20 + 00 ⁵	△		
27 + 00	△		
31 + 08 ²	△	8.04 West to 3×4	
47 + 56 ³	△		0.64
48 + 43		3.8 West to Stake $\frac{18}{19}$ $\frac{N}{S}$	
55 + 67 ⁵	△		0.75
59 + 06 ⁵	△		0.80
65 + 38 ²	△		0.88 (1.01) or (1.16 from back)
75 + 10 ⁷		15' East to tack on Mon at Cemetery	
76 + 13 ²	△		1.23
99 + 64 ¹⁵	△		1.38
111 + 28 ²	△	2.95 E to Kings hub 111 + 43	1.51
119 + 38 ⁵	△		1.63
125 + 25		9.8' west to Cholla Valley City limits sign	
141 + 69 ³	△		1.92
155 + 62		4.4 West to 3×4 (old) with white old Guard Stake	

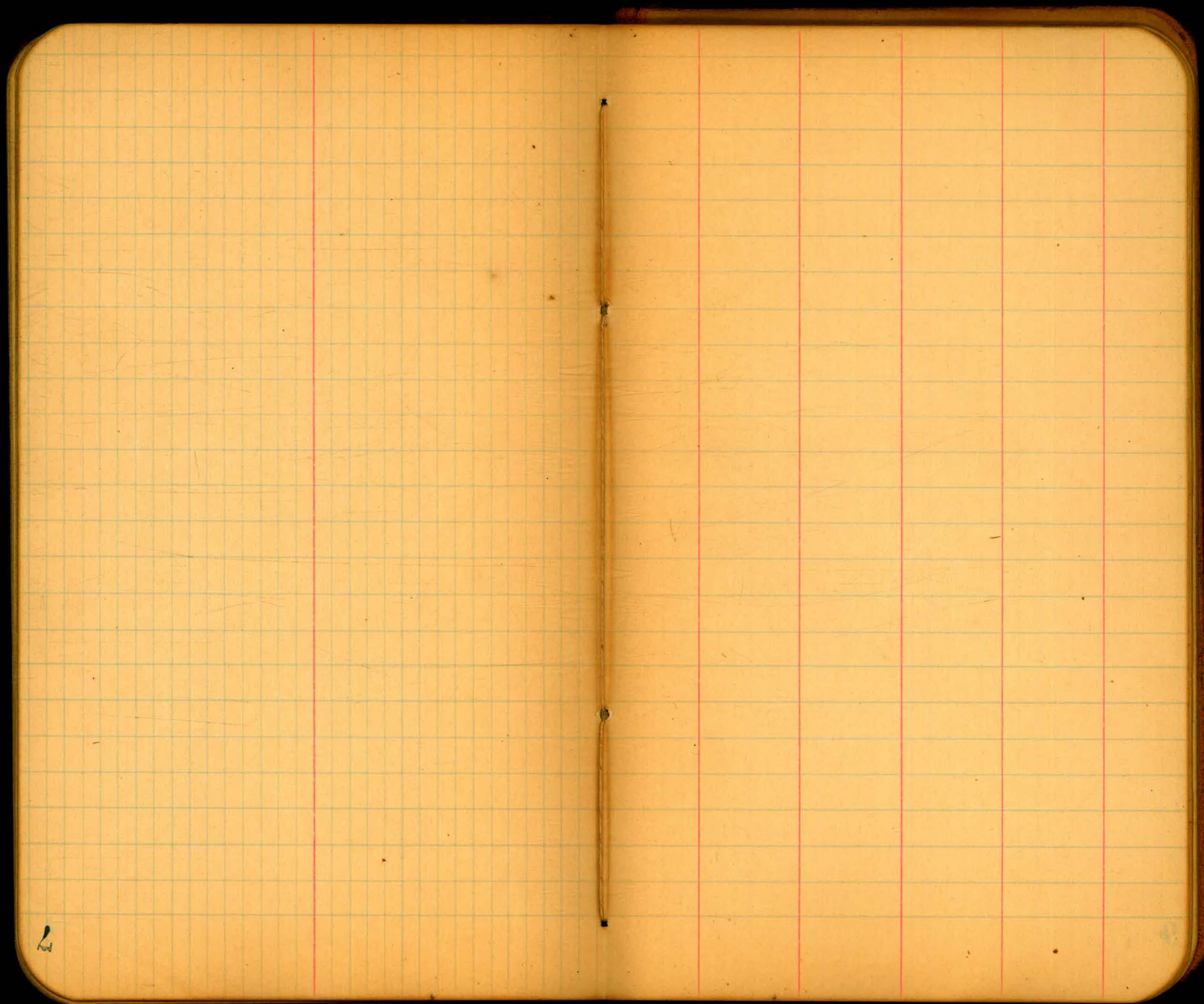
169 + 72		Marked NW Cor. 11 16' E to 4×4 White Stake	
177 + 03 ⁸	△		2.40
183 + 00	△		
184 + 88		NE Cor 11 23' West to Fence Cor Marked	2.57
220 + 11 ²	△		2.98
233 + 02 ¹	△		3.15
240 + 31 ⁵		10' West to Mon on Hwy Ave	
244 + 68 ⁷	△		3.37
258 + 39 ³	△		
266 + 75 ⁶		at El Cajon 8' West to City limits sign	3.50
269 + 00	△		3.64
280 + 31 ³	△		3.79
290 + 00 ²	△		3.92
294 + 65	△		3.97
294 + 82 ⁵		5.6 West to Mon on Adams	
301 + 21 ⁶	△		4.07
306 + 36		3.6 West to Post Marked Cor 7	
309 + 39 ³	△		
321 + 49 ¹	△		
322 + 25 ²⁰			
324 + 11 ²		43.7 West to Hub supposed to be Lpt of line. 123 ² Ft N of Fence post at Road in Mission Valley	



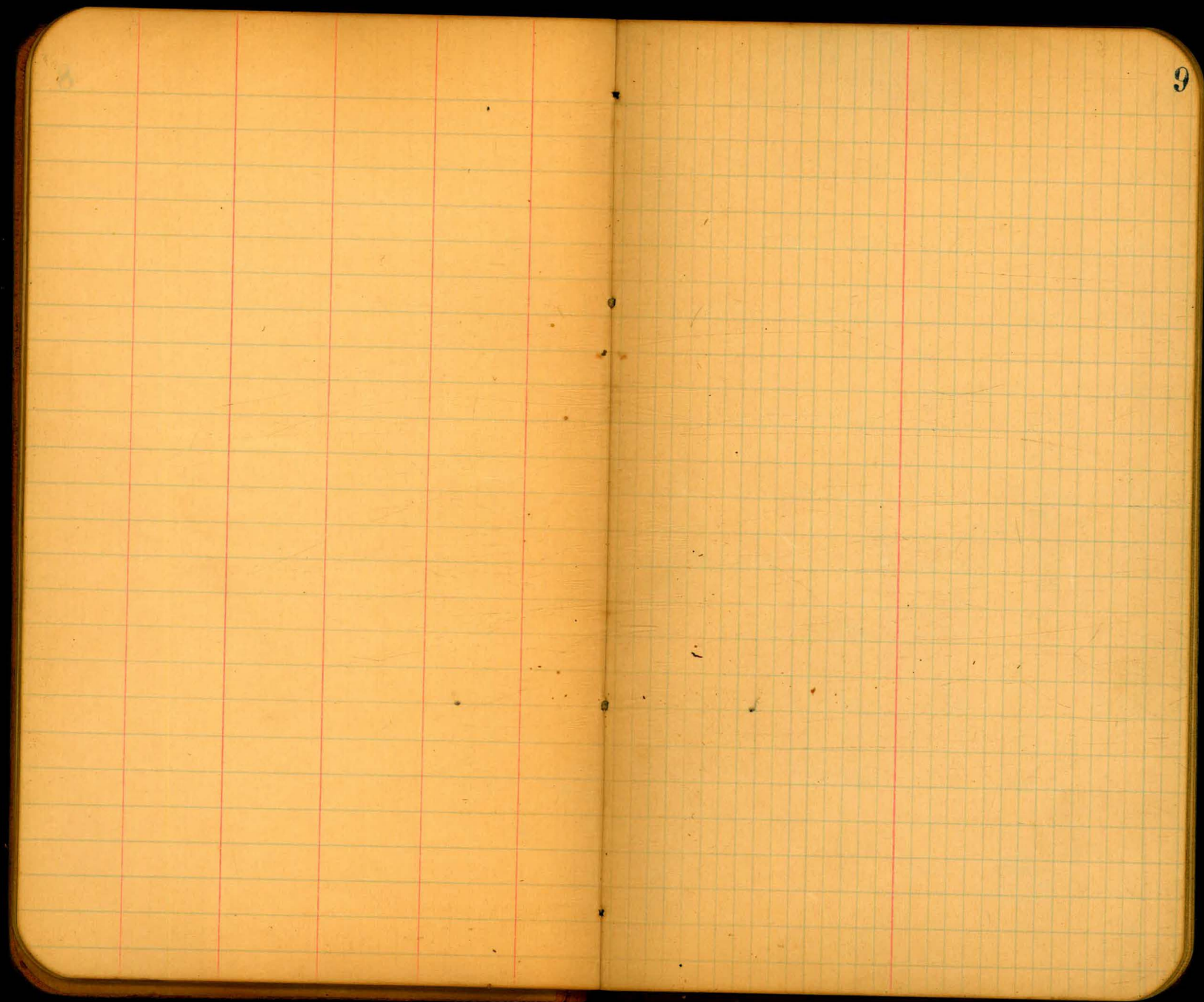
3



4



2



12 440
12 7 more
10 Rogers

angle-

Course

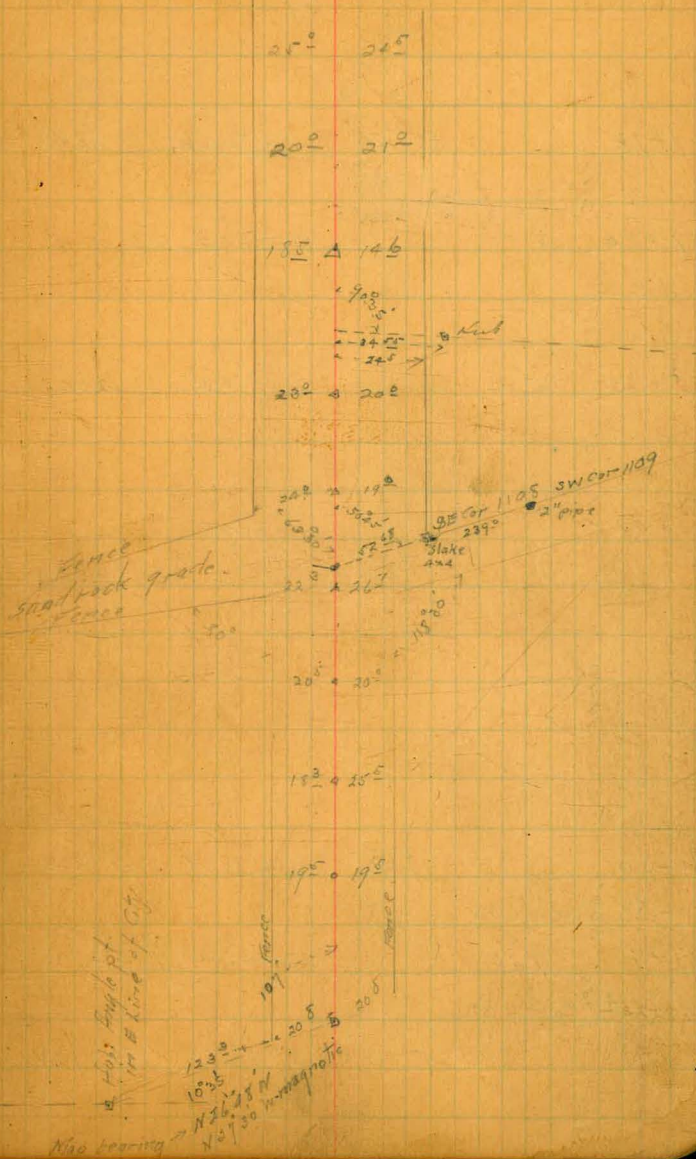
R.

Magnetic Reduced

Station	Angle	Course
49+90	19°00'	S 69°00' W S 69°17' W
45+20	16°00'	S 50°00' W S 50°17' W 21°17'
42+54	7°45'	S 66°00' W S 66°17' W 27°17'
40+56	1°10'	S 73°00' W S 73°02' W 45°00'
37+00	38°30'	S 74°30' W S 75°12' W 54°12'
27+18 ² Intersection	14°30'	N 67° W N 66°3' W 55°12' W
27+12	12°30'	N 51°30' W N 50°48' W
23+60	13°00'	S 86°00' W S 86°22' W
22+26	6°30'	S 73°00' W S 73°42' W
2+00	107°00'	S 79°30' W S 80°12' W

Road in Mission Valley from the East line of City to

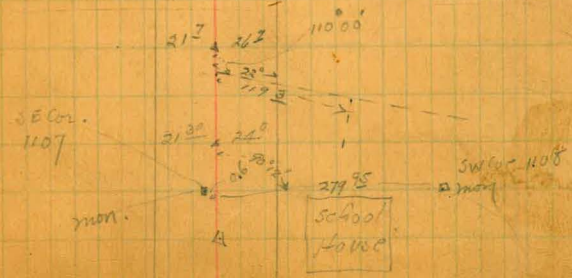
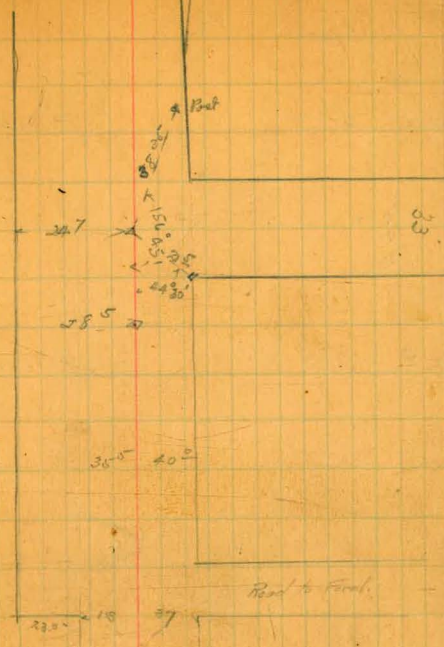
10



	Angle	Course
109+78	85°40'	S75°00'W S74°52'W
107+20	50°00'	S10°30'E S10°18'E
105+50	65°00'	S39°20'W S39°12'W
100+40		
81+00	19°30'	S74°20'W S74°12'W
80+87	30°	
77+40	19°25'	S55°30'W S52°42'W
54+20		
53+85	5°10'	S74°00'W S74°27'W

245'
150'
510'
1940'
395'

Public Co.
1925
Public Co.



L R

185+00 580

572°30'W 572°52'W

1144

123+62 0 210

575°00'W 574°52'W

22.182 26

705

116+51

210 577°00'W 577°02'W

673

29° - 16° - 16°

X
X

156+50

157+94

151+00

149+00

105+82

14+14

136+88

540'

515'

165'

914'

L

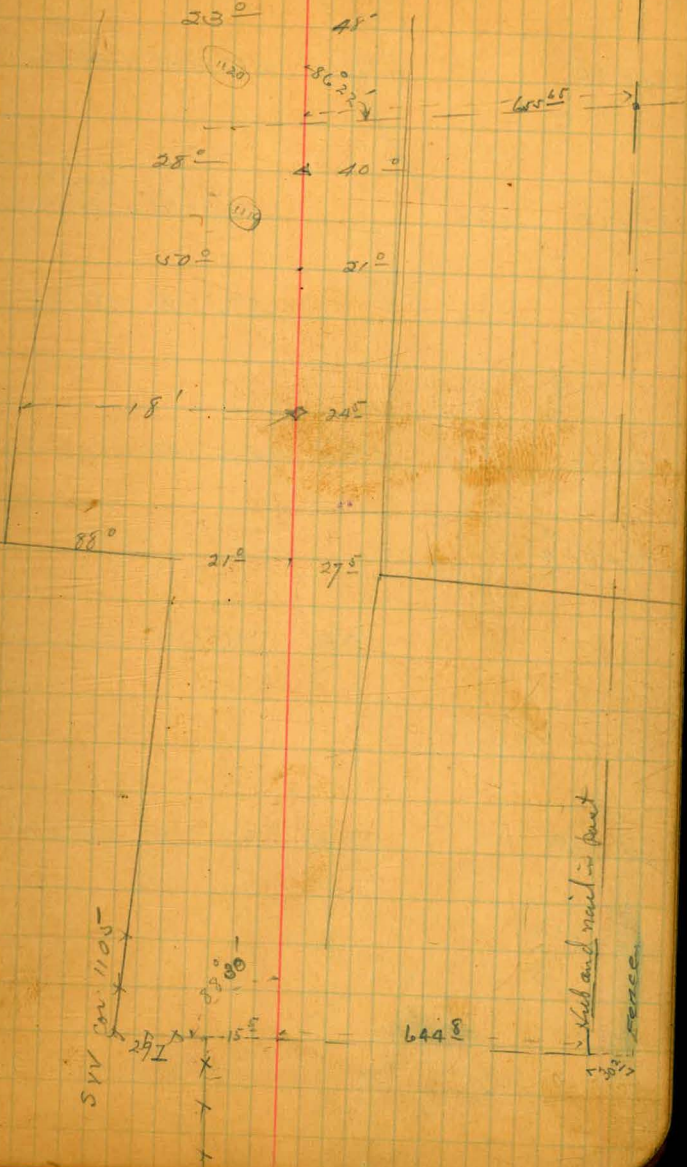
R

23°00' N 65°00'W N 65°35'W

11°00' N 87°40'W N 88°35'W

26°00' S 81°00'W S 79°52'W

55°34'W 55°25'W



184+86 21°00' N88°40'W N88°2'W

183+18 22°40' 570°20'W 570°28'W

175+45 51°00' N86°00'W N86°08'W

172+06 31°30' N85°00'W N86°05'W

170+98 156'

170.50 38°30' N66°30'W N67°35'W

166+70 20°30' 570°30'W 574°22'W

164+468 570'

161+00 60°00' 555°00'W 554°22'W

Bernards
Winery

allens
Ranch yard.



25° 40°



L R
212+00 1710' 70.02
581.20W 581.18W

435'

207+65 6.30' 82.48
N 81.18N N 81.18W

305'

204+60 8.00' 76.65
N 75.30W N 75.02W

1711'

189+04 84.18'
157+19 83.0' N 83.20W N 83.02W

263'

15

Station 212+1895

Station 207+70

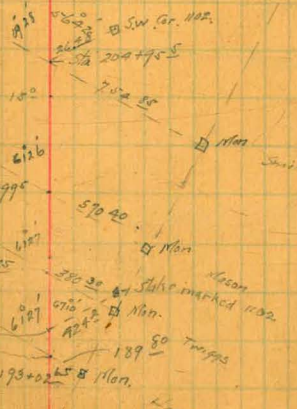
Pumping Plant

Station 200+995

Station 194+812

Station 193+025

Station 193+025
193.2



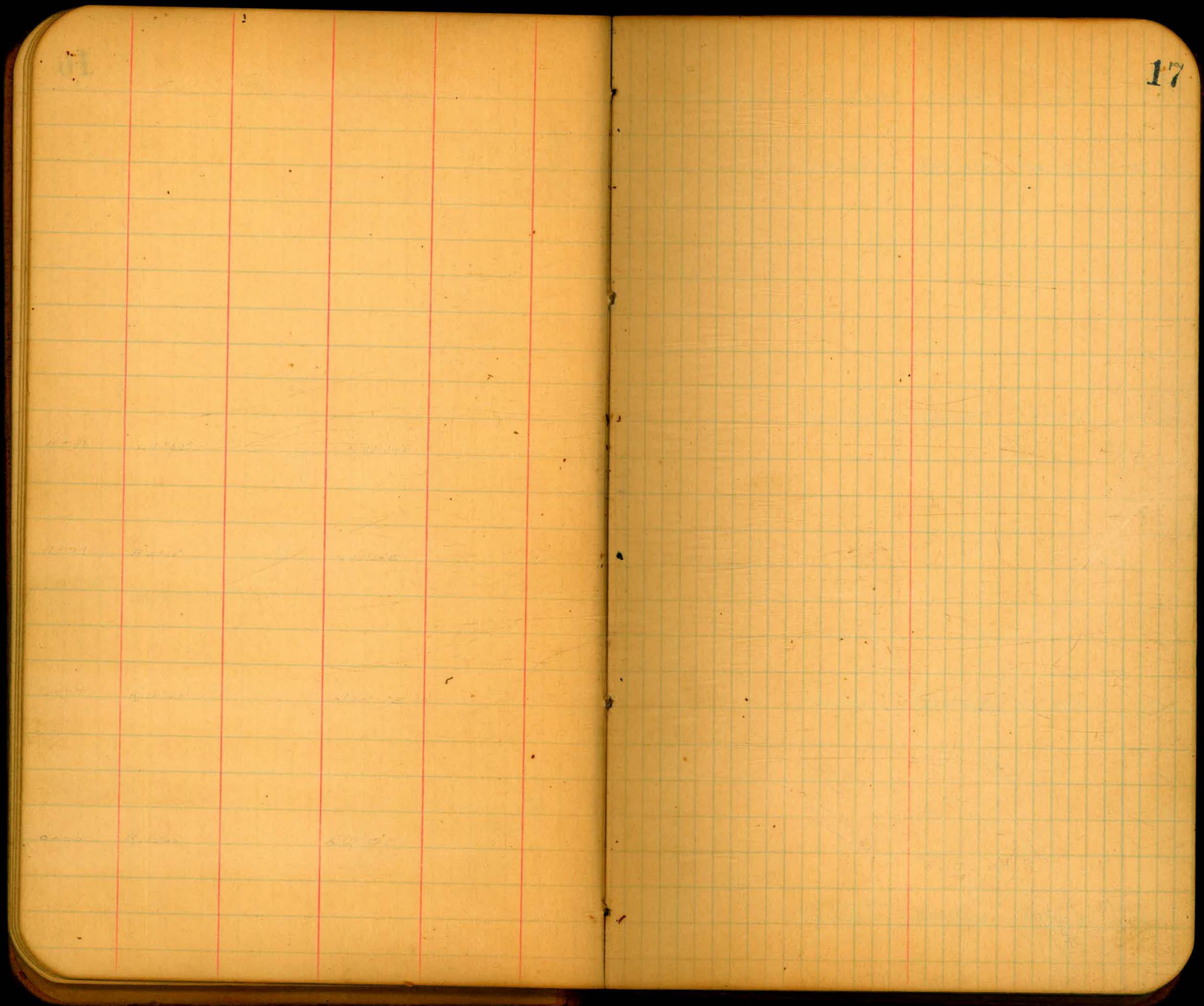
215758

358'

1920
Sum of 312

95000

Size of Bridge



Survey of Road in Mission Valley to
connect with Ramsey's Survey of 510-5092

Sta Ang Bearing Mag Bearing Book 121 P. 15

$\frac{1}{19}$ } Davis
 $\frac{10}{70}$ } Williams
} General

10+96 L9°39' S84°37'E N79°40'E

319

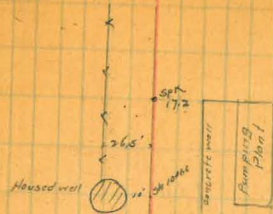
7177 R6°10' S74°58'E N89°20'E

400

3+77 R16°20' S80°08'E N84°10'E

0+00 R112°30' N83°32'E N67°50'

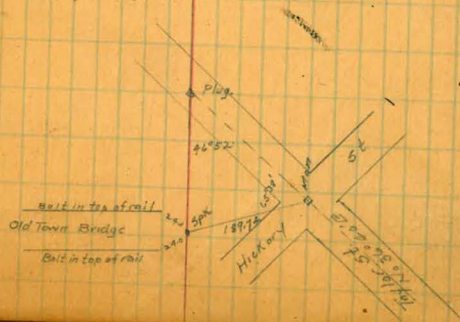
18



Spk

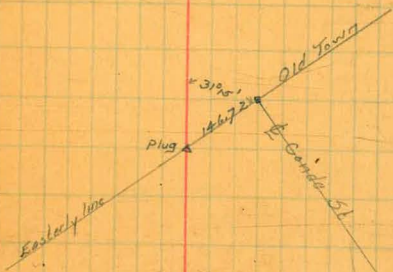
CS 38
26 52
112 56

Spk



25 + 25 38

1431.98



Sta Ang. Bearing Mag. Bearing

20

43+42²⁵ L 36° 21' 56' 49" E 59° 15' E

39+96 R 52° 09' 53' 28" S 48° 25' E

14794

Cont. on Page

Sta 43+42²⁵ - Sta 50+72
on survey made by Rumsey
Book 121 P. 15 for continuation

27.0
27.0
A 30'
A 19'

Allen's Book

0° 37.5' curve

132
117
true pole
at pole

Rd Survey of a portion of Mission Valley Road Surveyed
by Rumsey commencing at Sta 169+72.2 and ending at Sta 175+56

Sta	Ang	Bearing	Mag. Bearing
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continued in Book 121 Page 22

196+57.2 - 195+56 old survey Rumsey

196+53	R 2130'	58° 14' E	N 82° 25' E
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188+258'

173+99.6	R 56° 38'	N 75° 10' E	N 57° 35' E
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302.6

170+66	L 56° 36'	N 18° 30' E	N 5° 0' E
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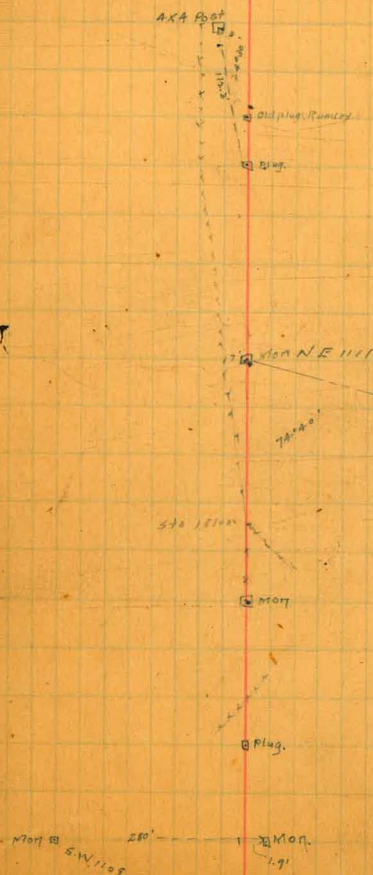
169+72.2		N 75° 14' E	N 59° 30' E
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continued from Book 121 Page 21

3 (Davis
22 Williams
11 Hancock

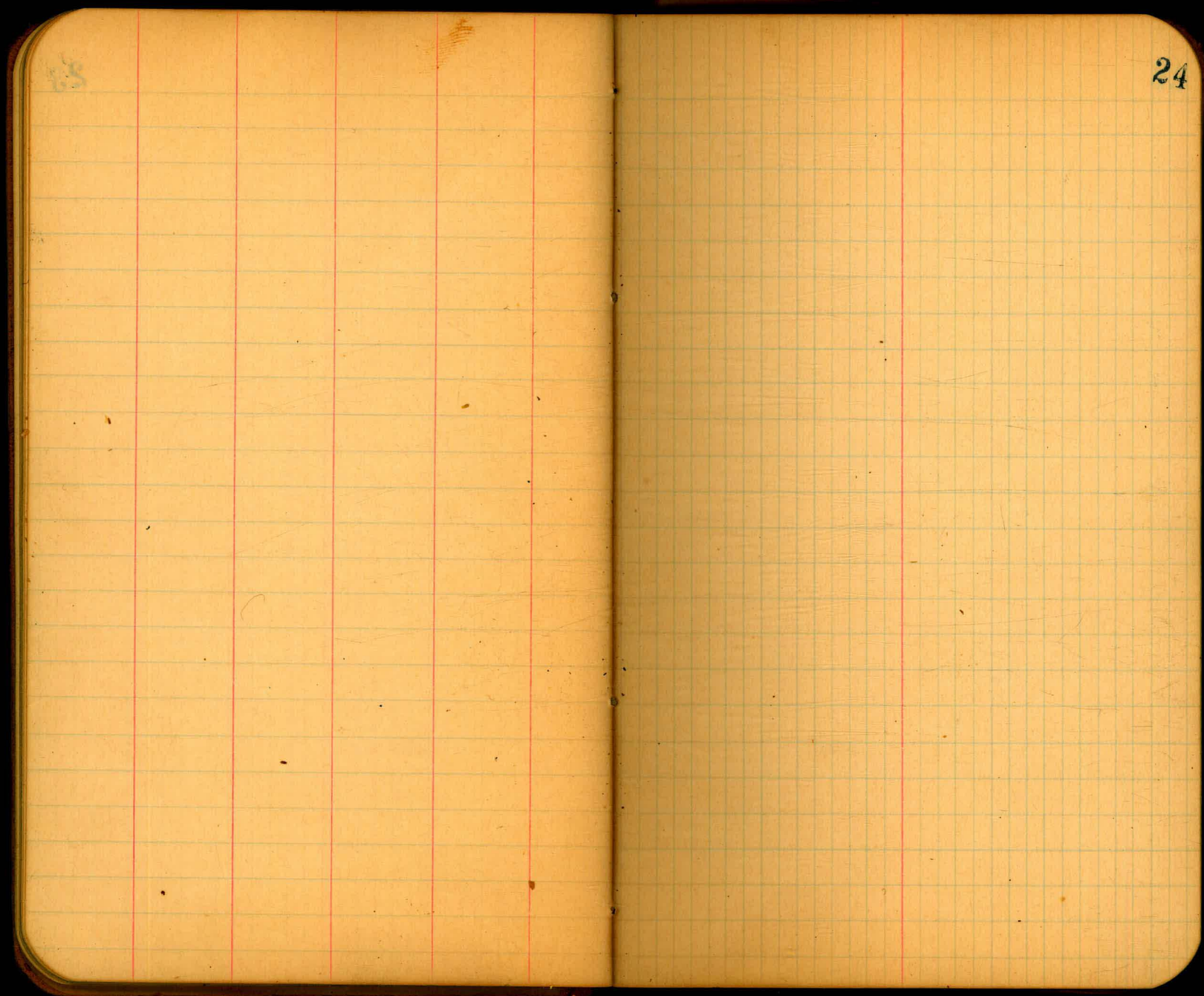
21

188+258'
173+99.6
9 27 2



22

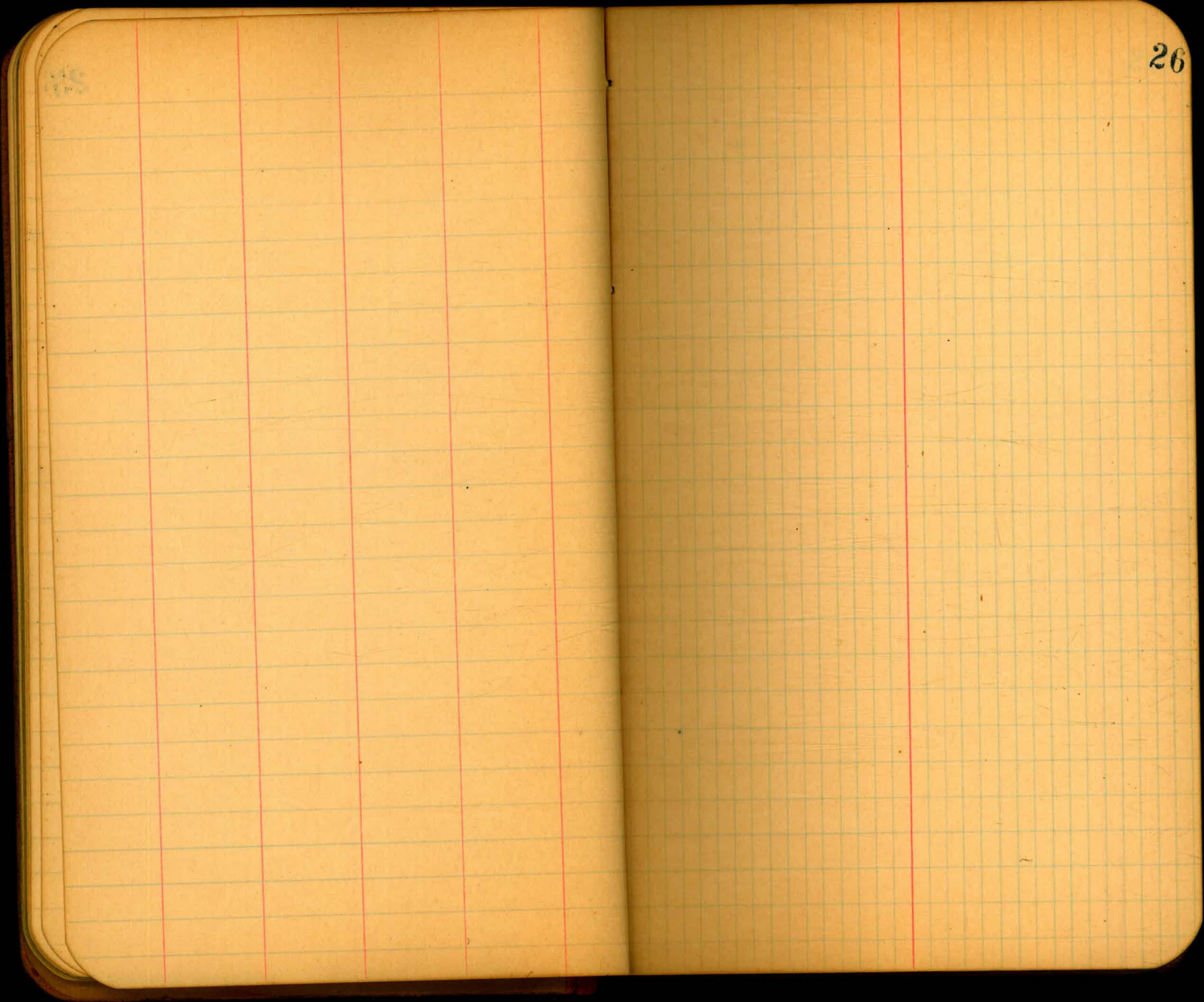
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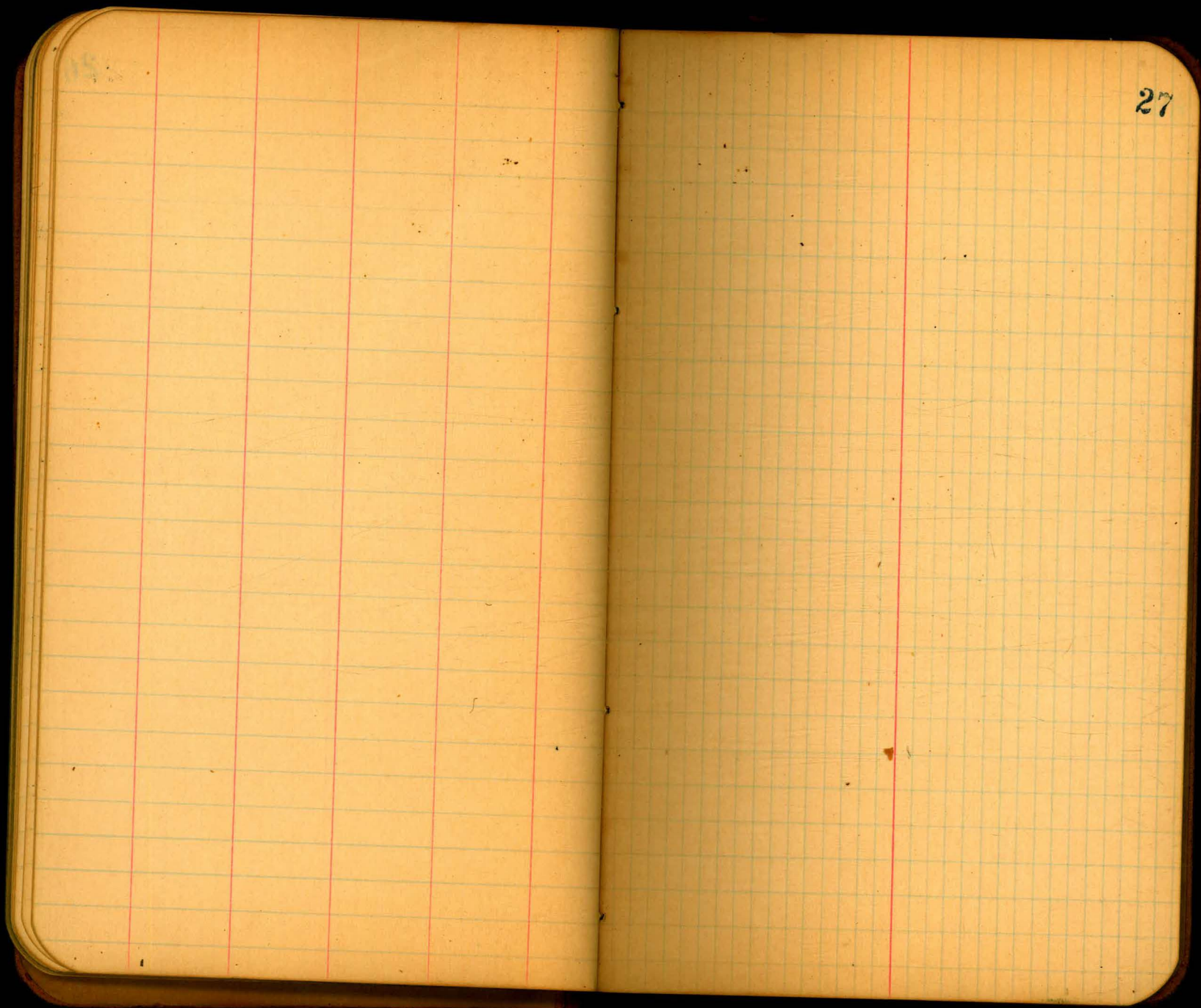


24

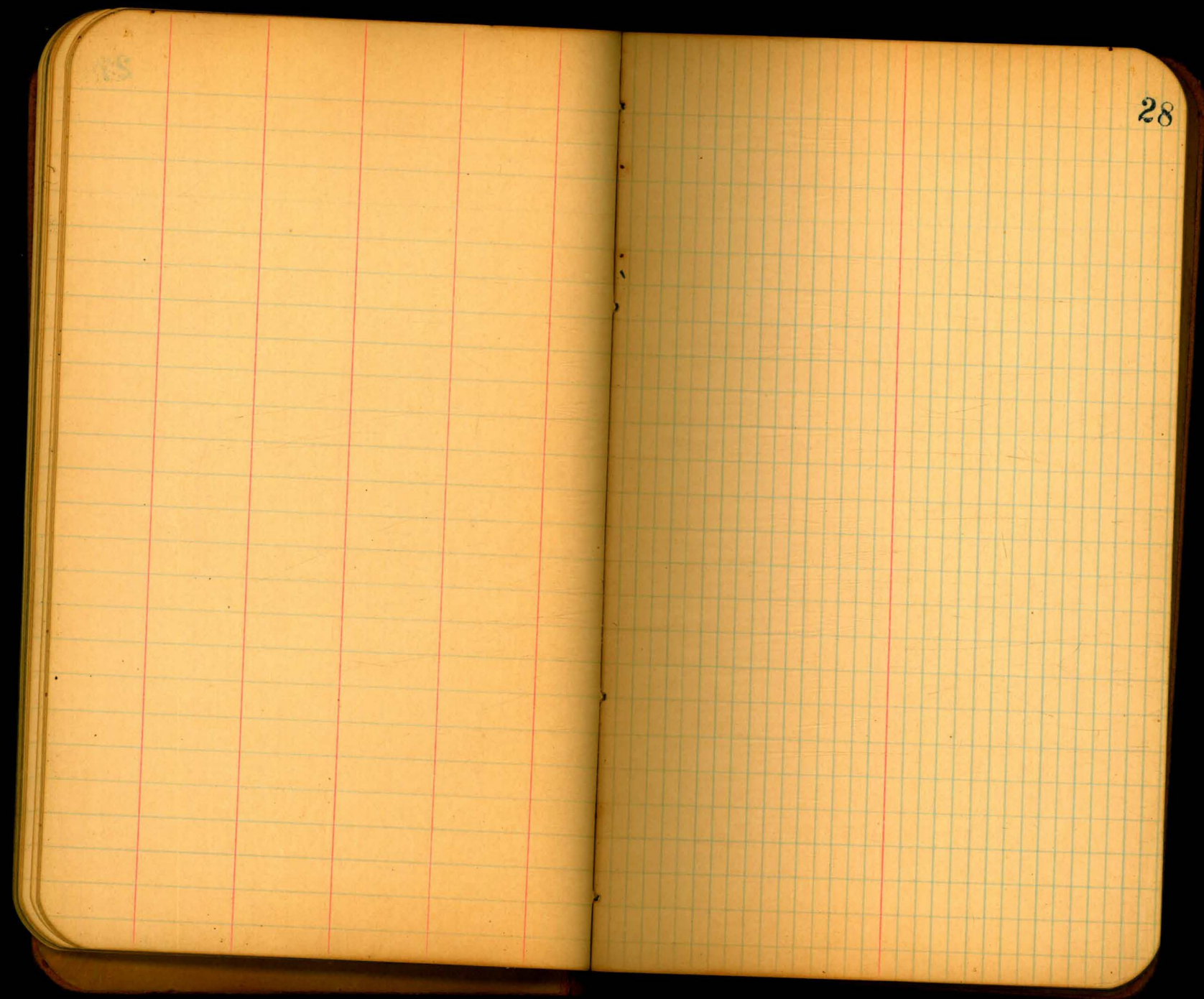
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25





27



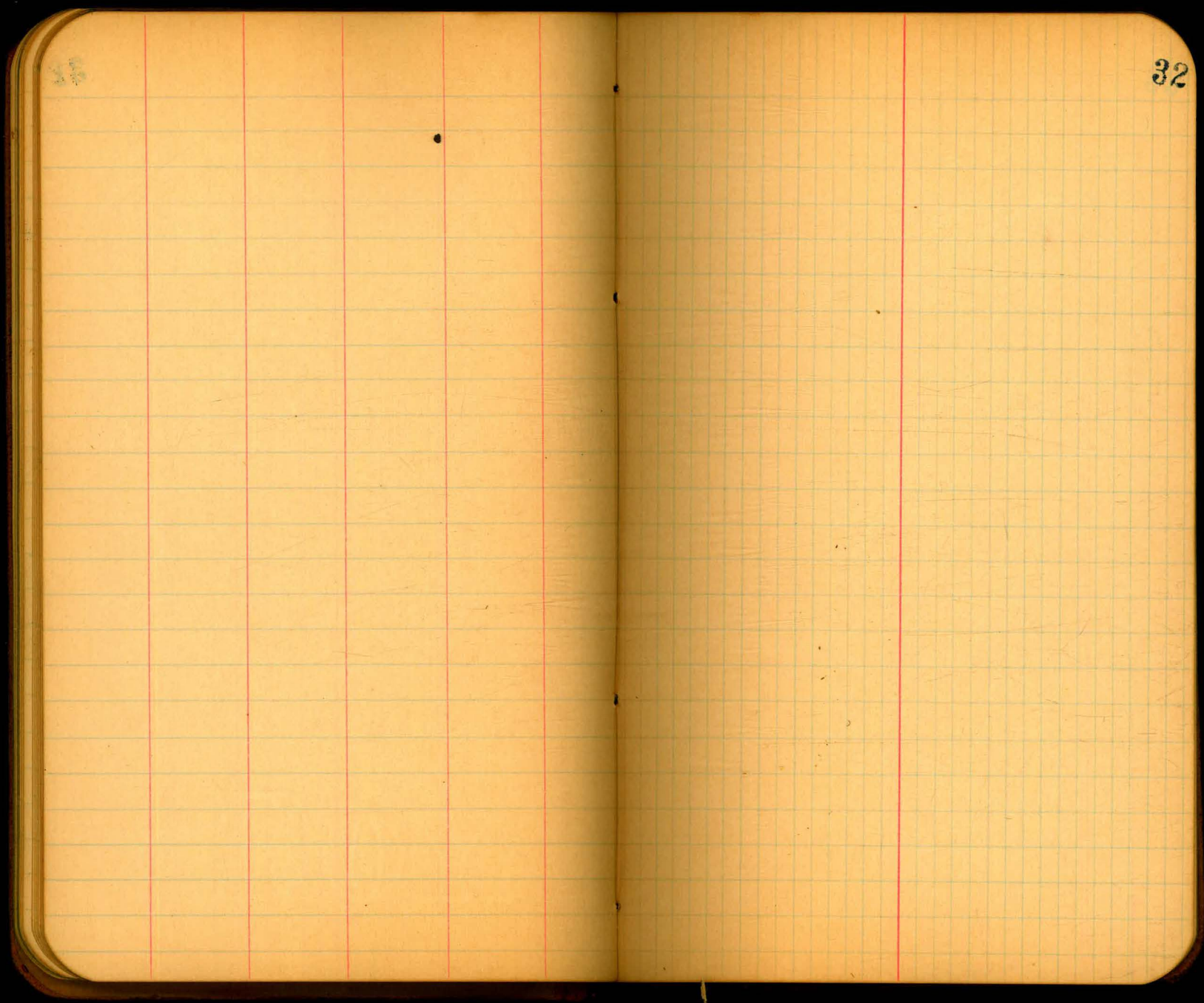
28

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US

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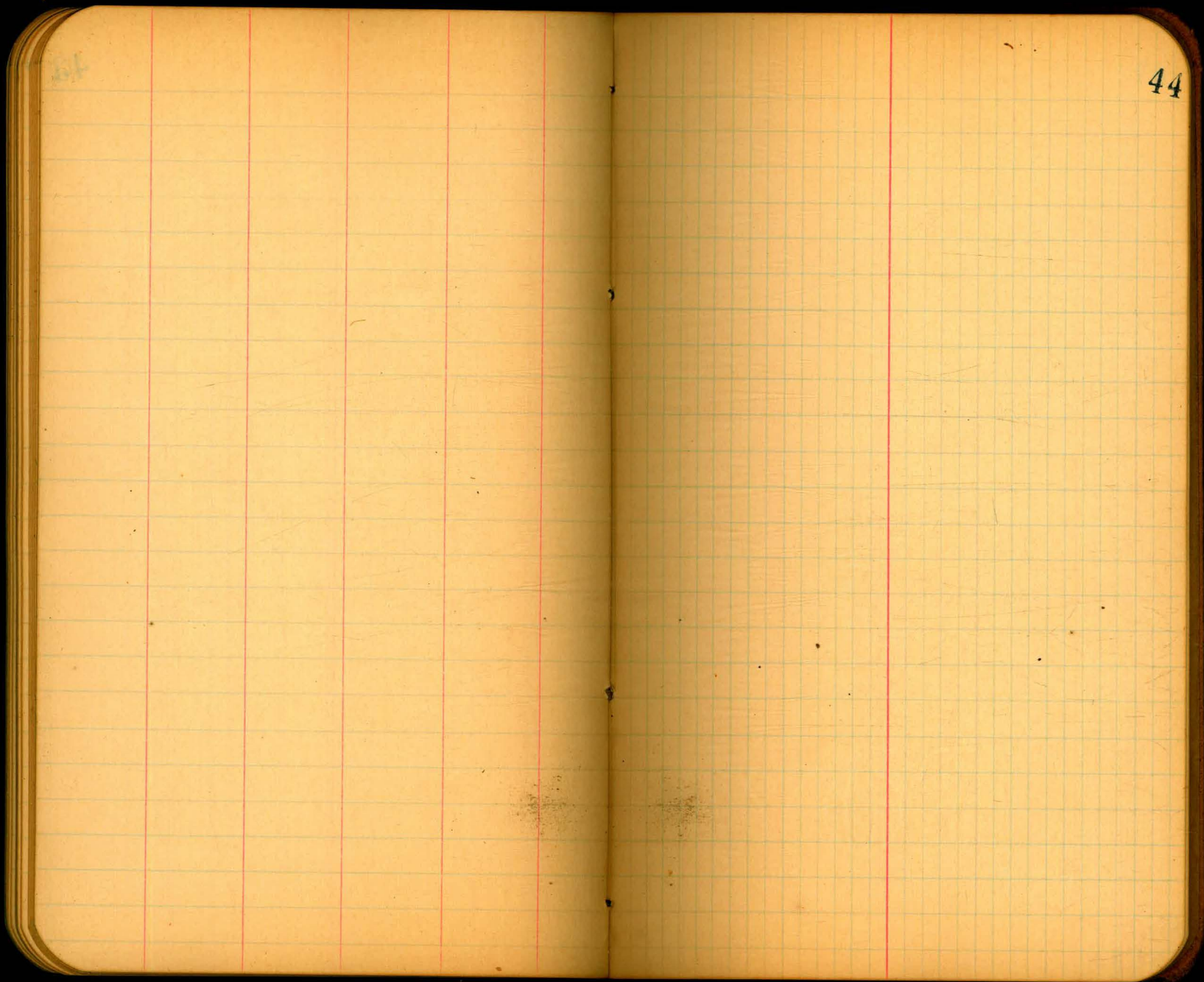
38

39

41

42

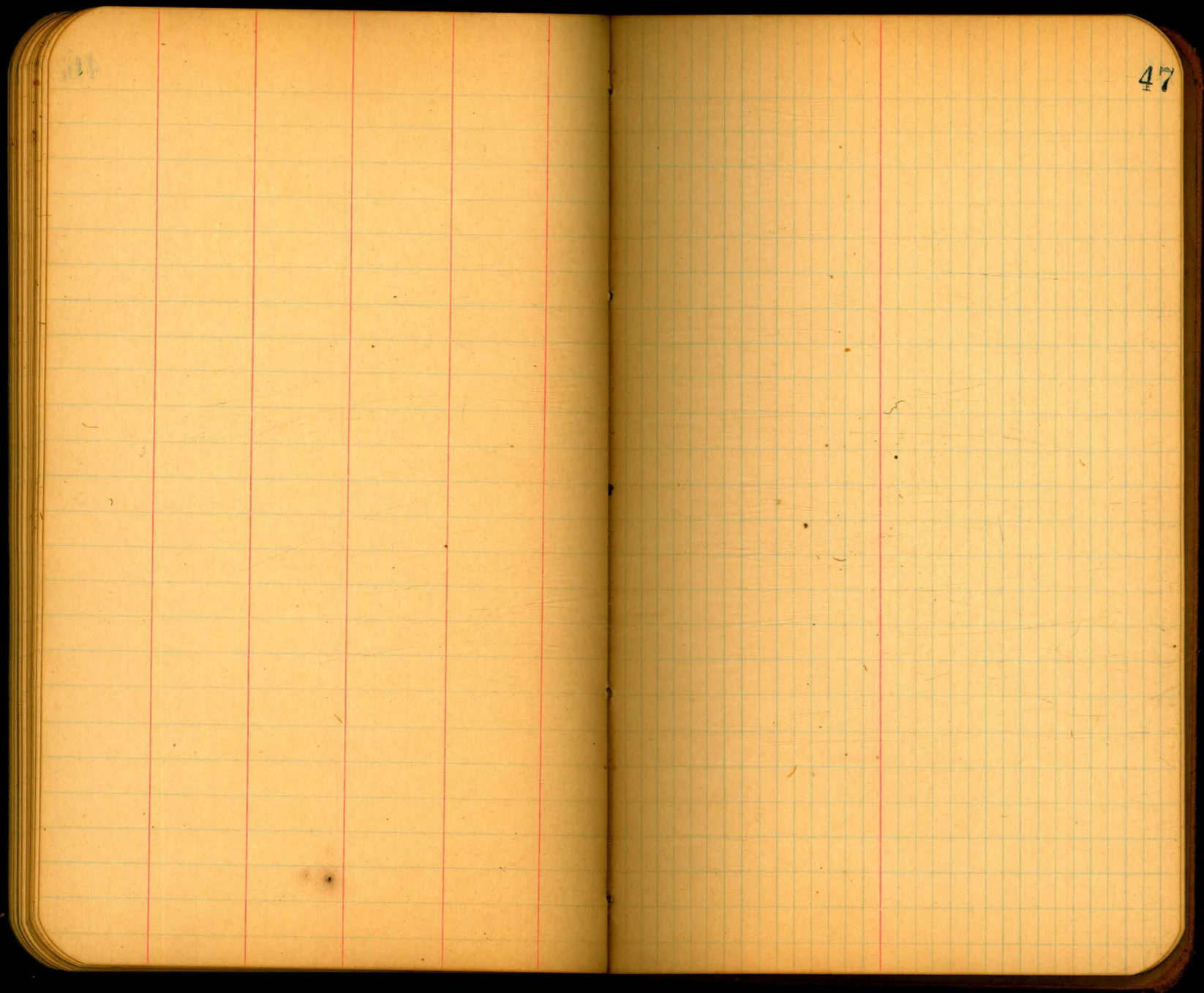
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44

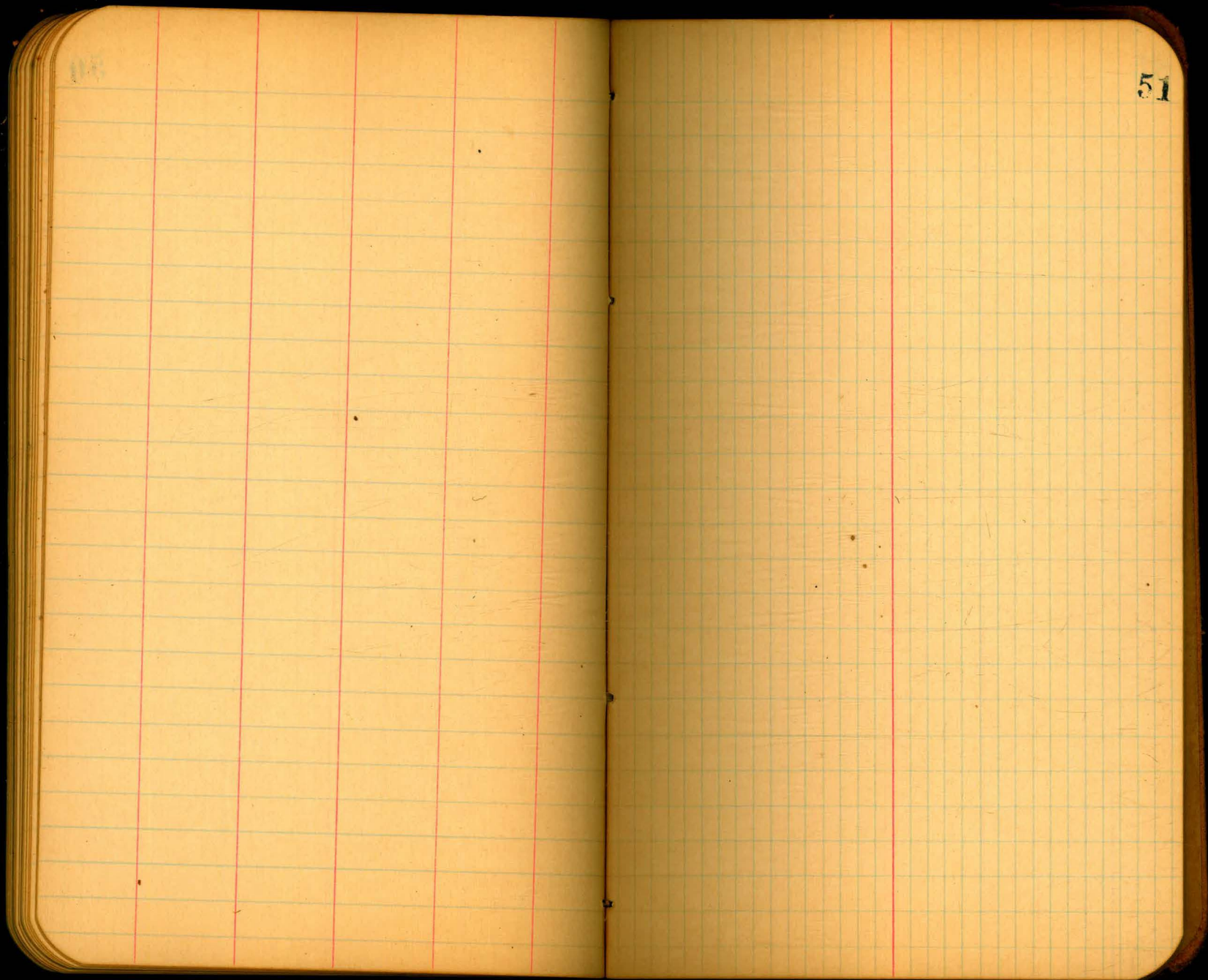
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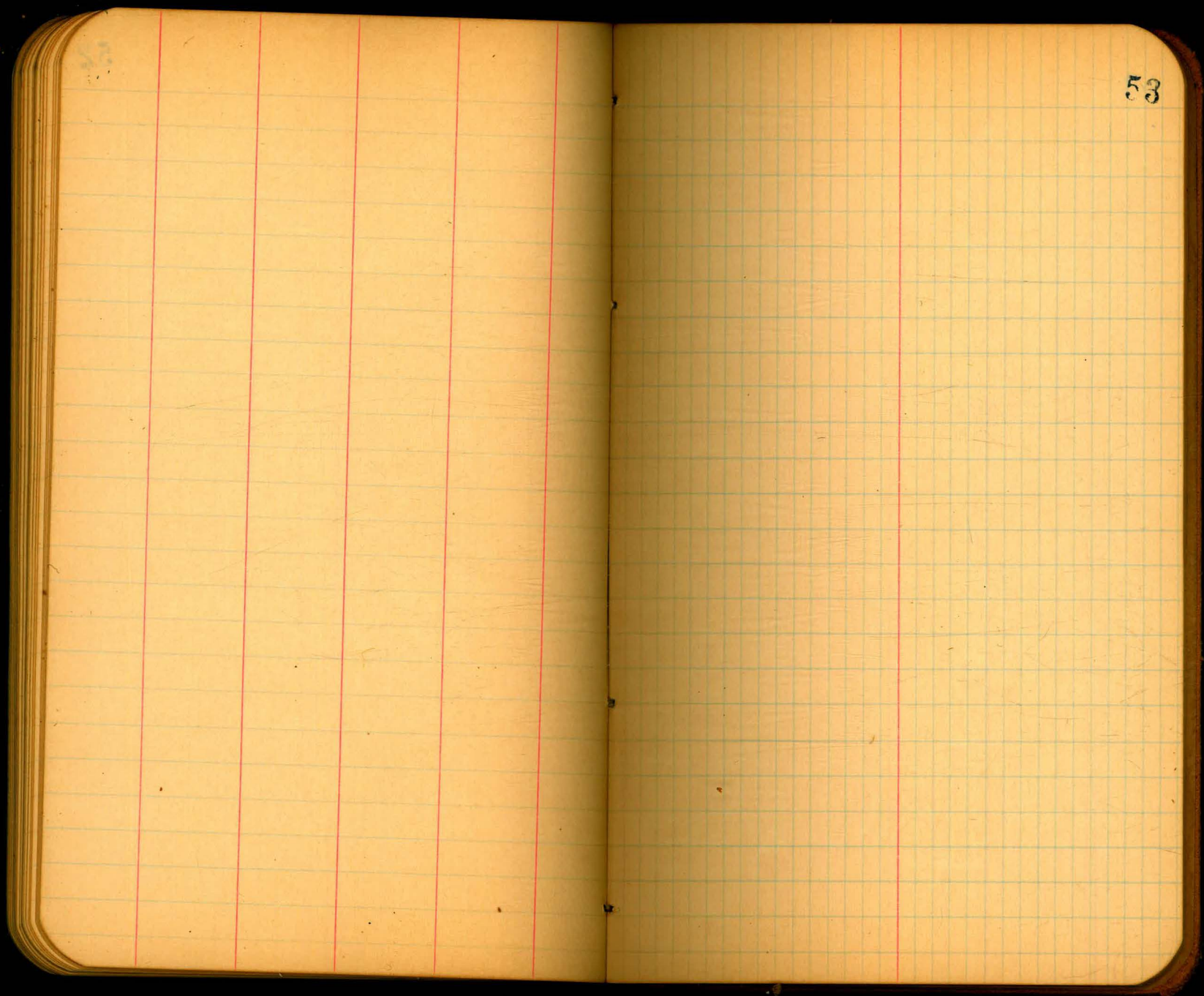
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47

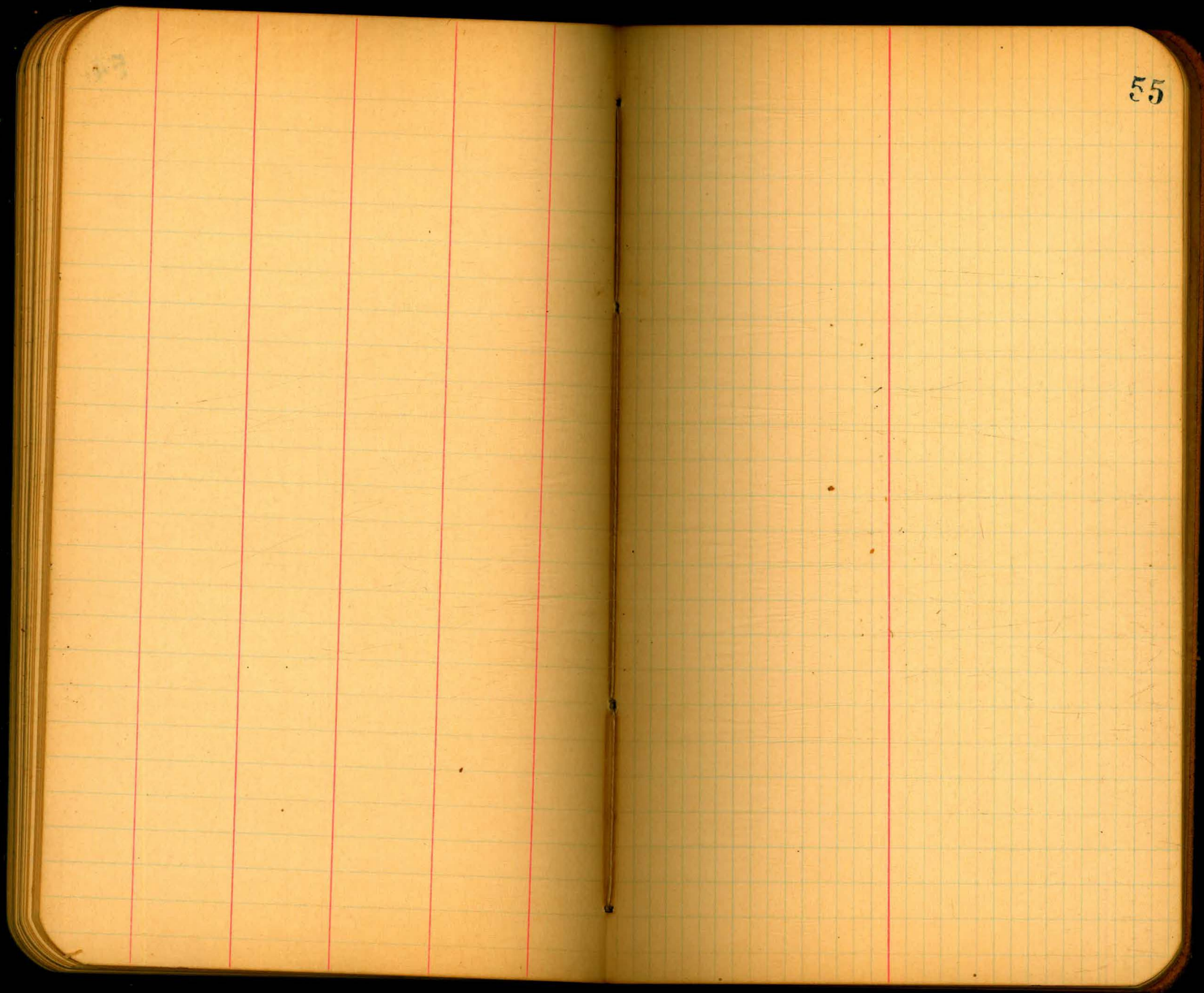
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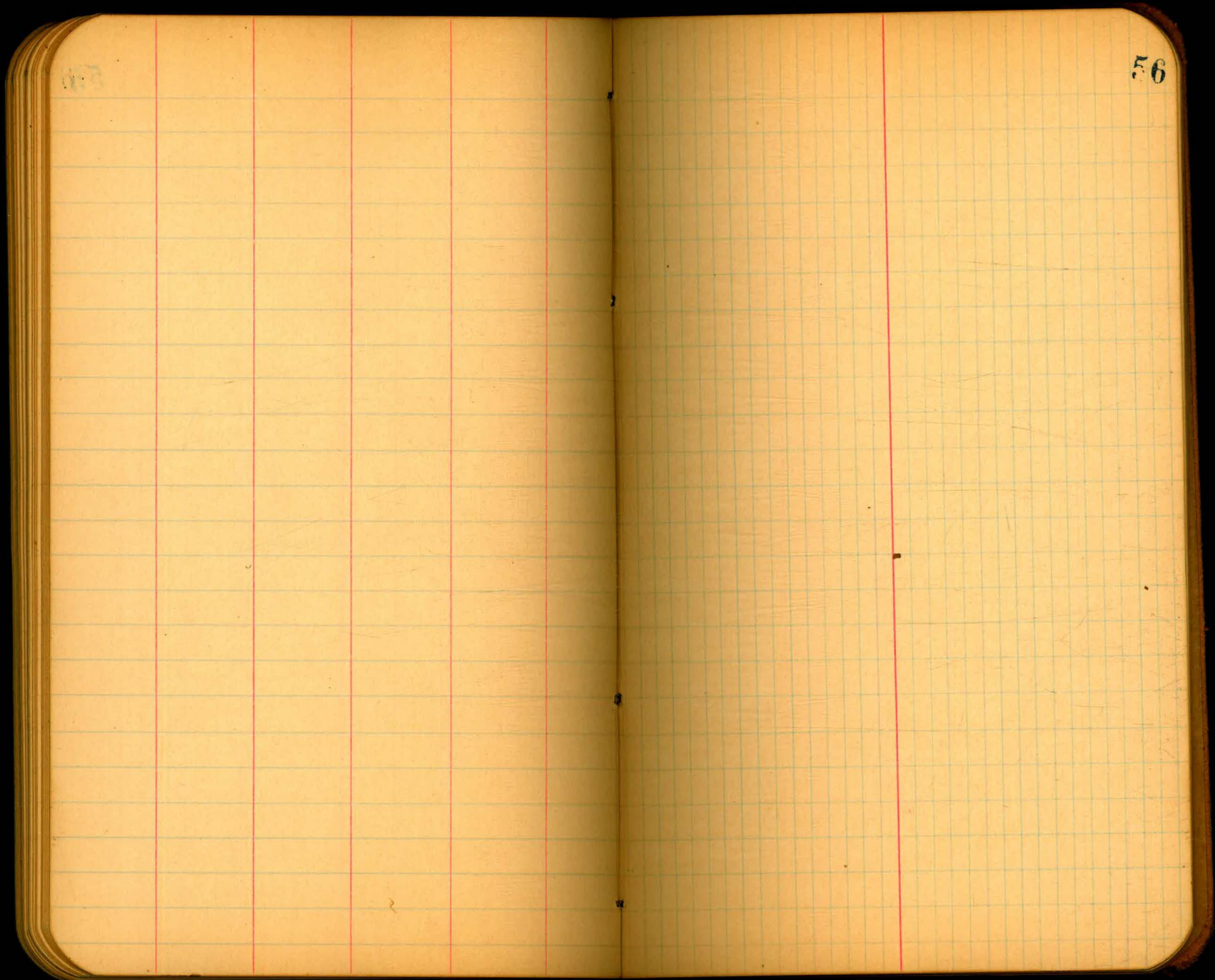


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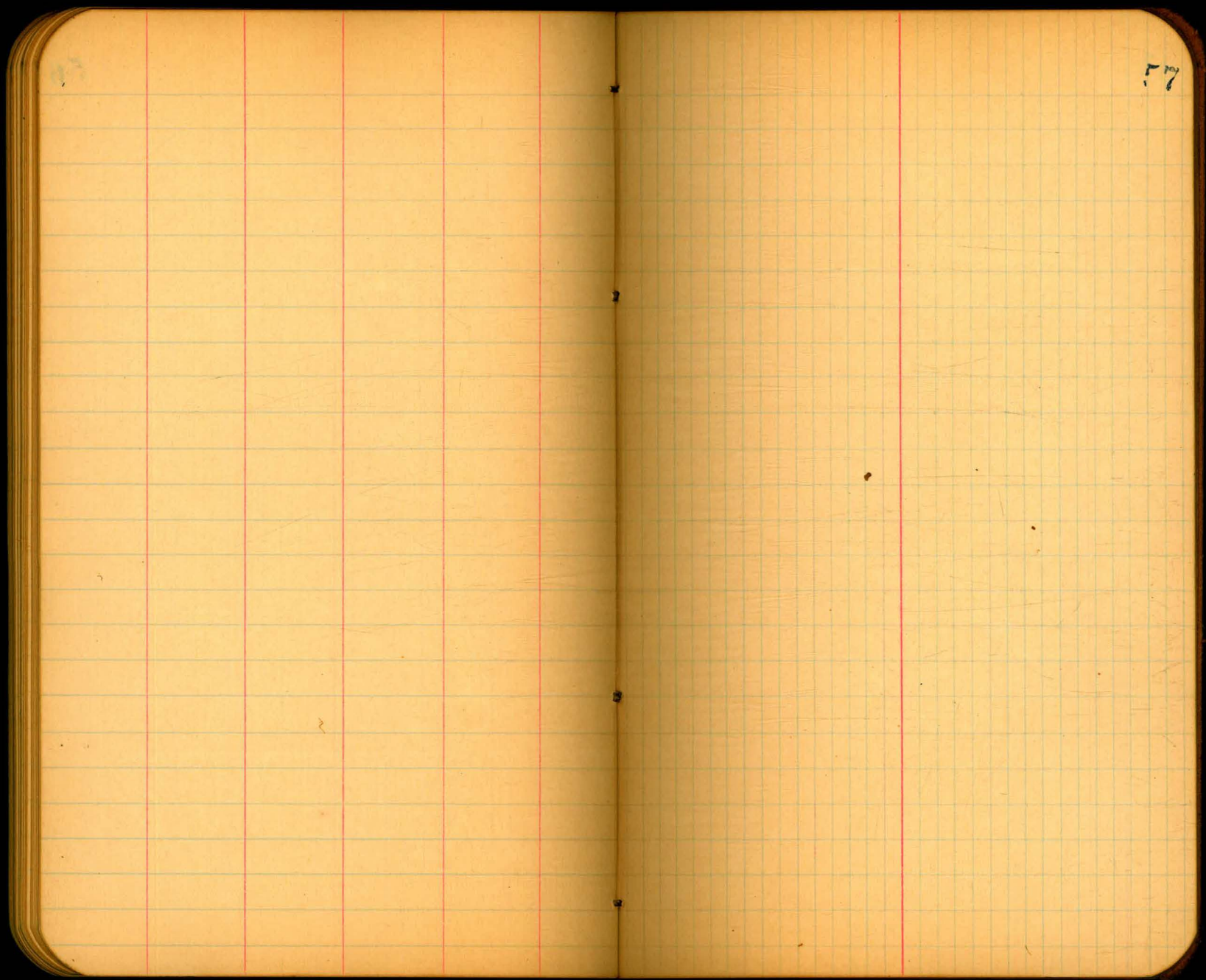
54



55

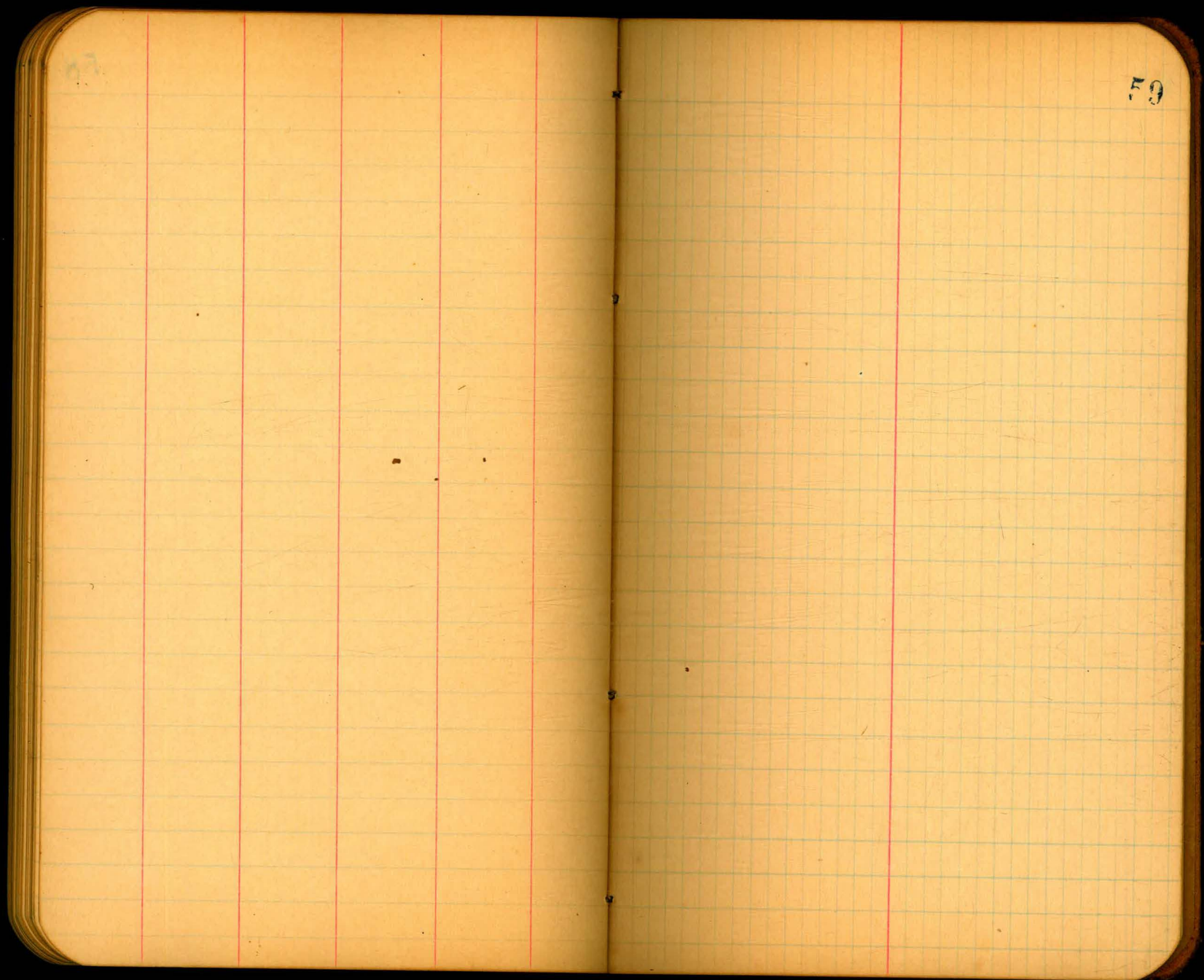


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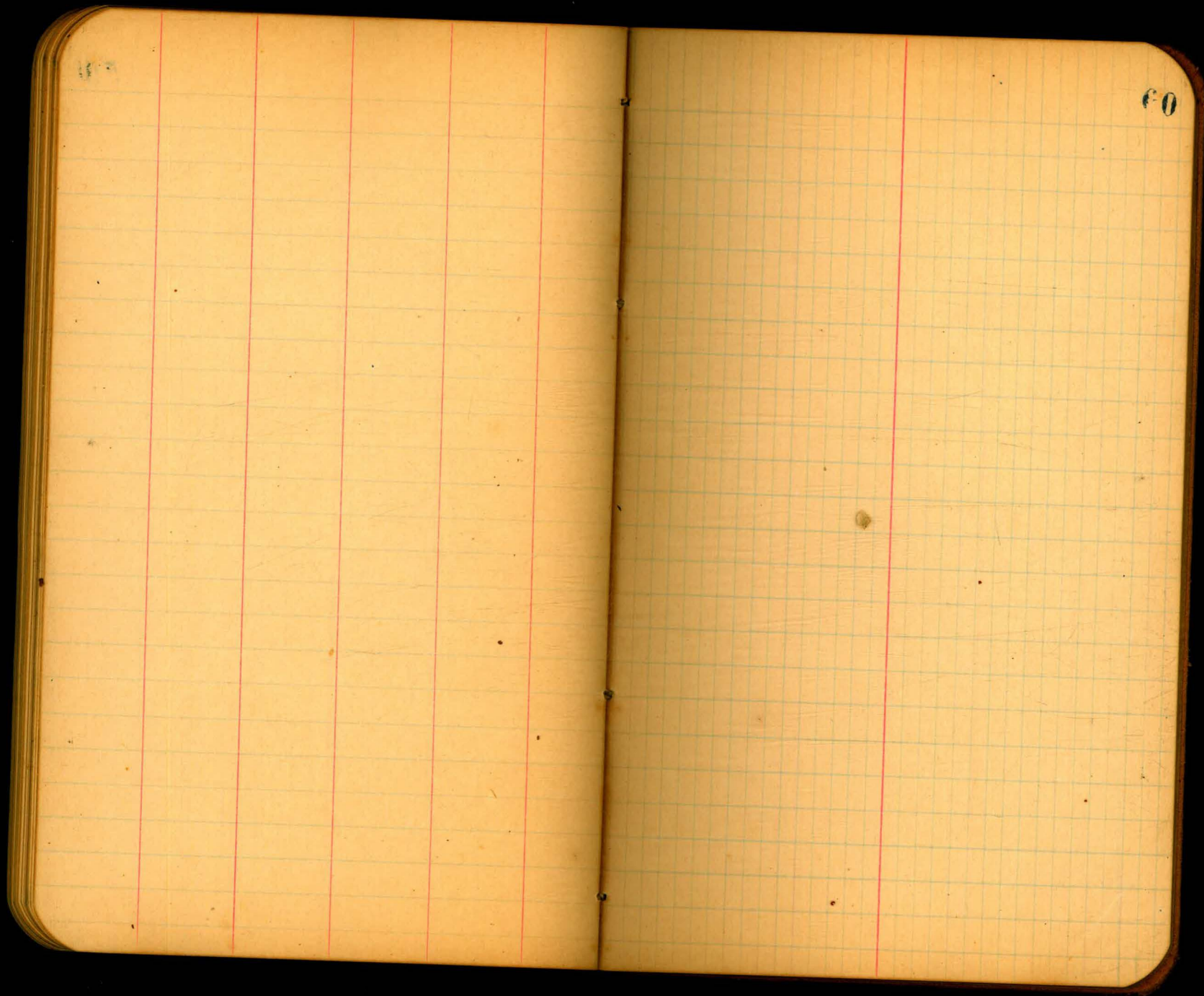


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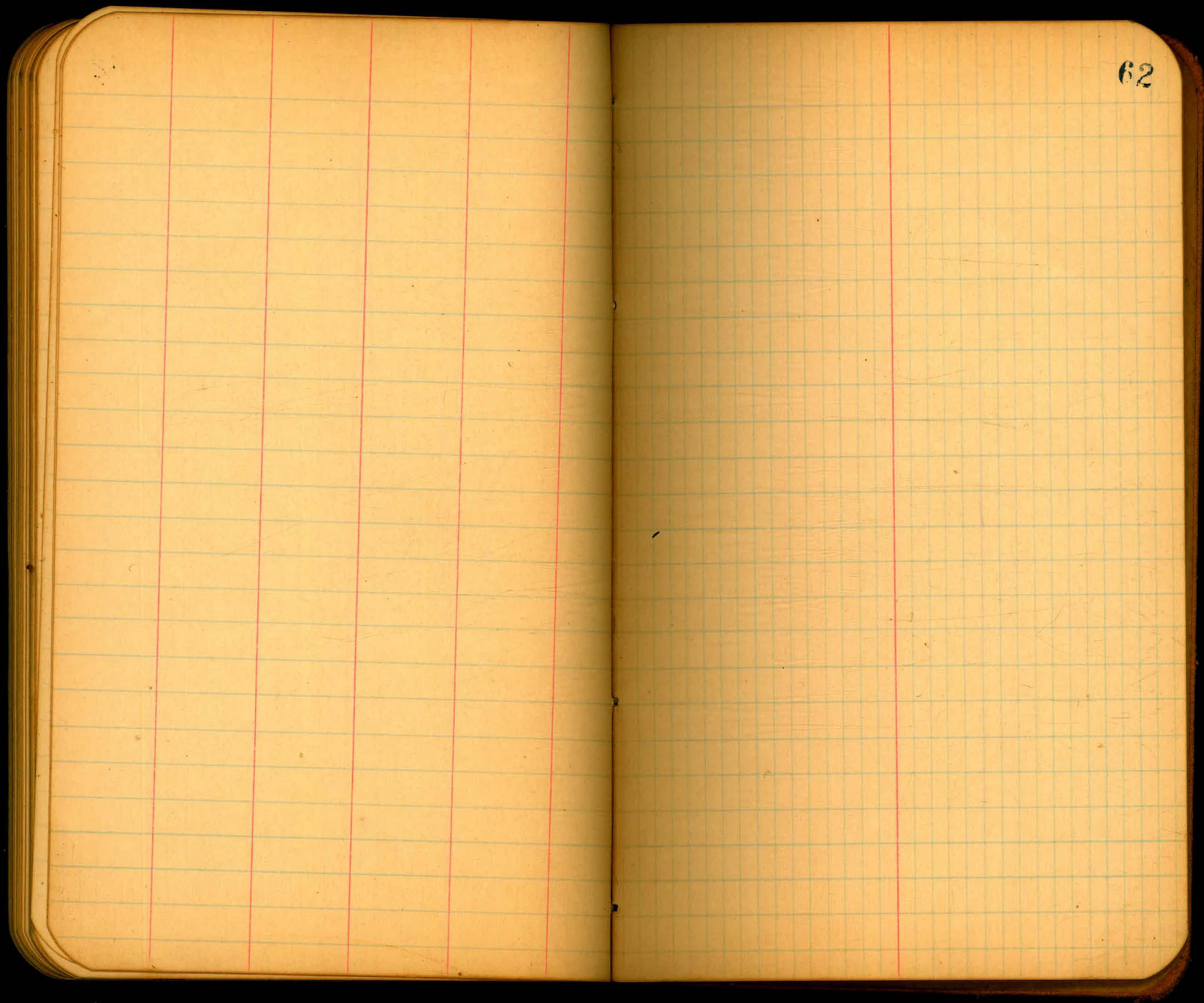
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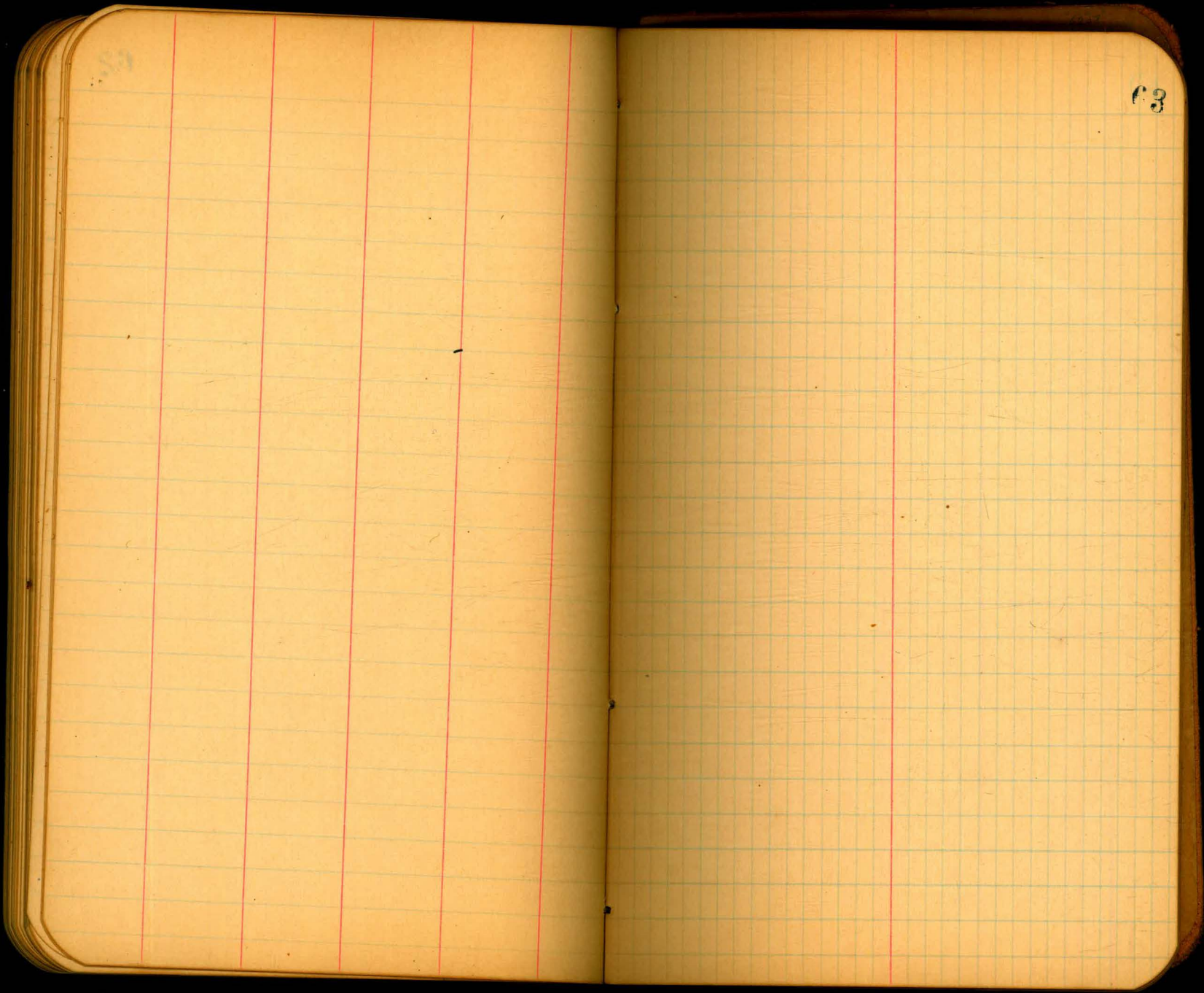
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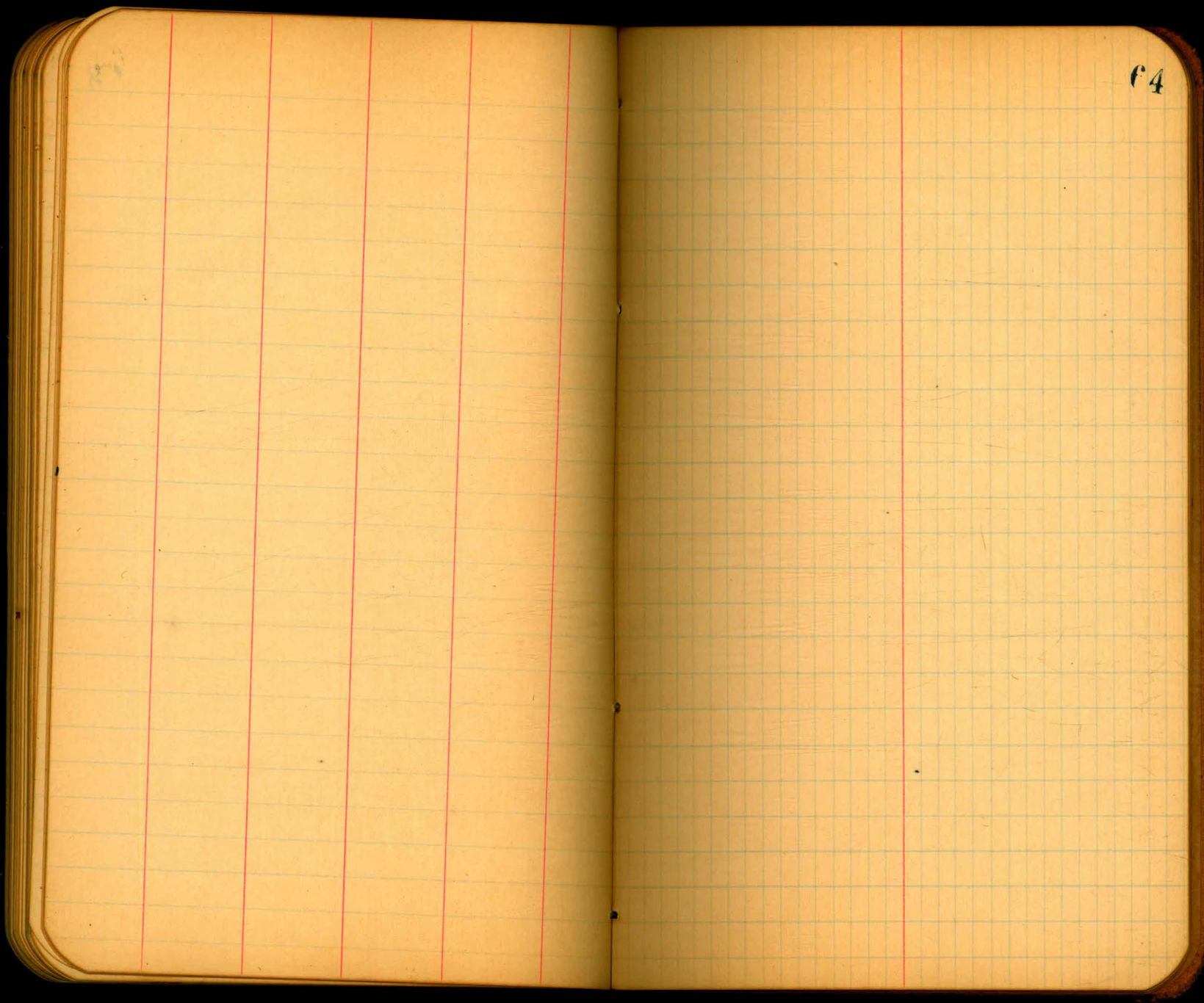
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62

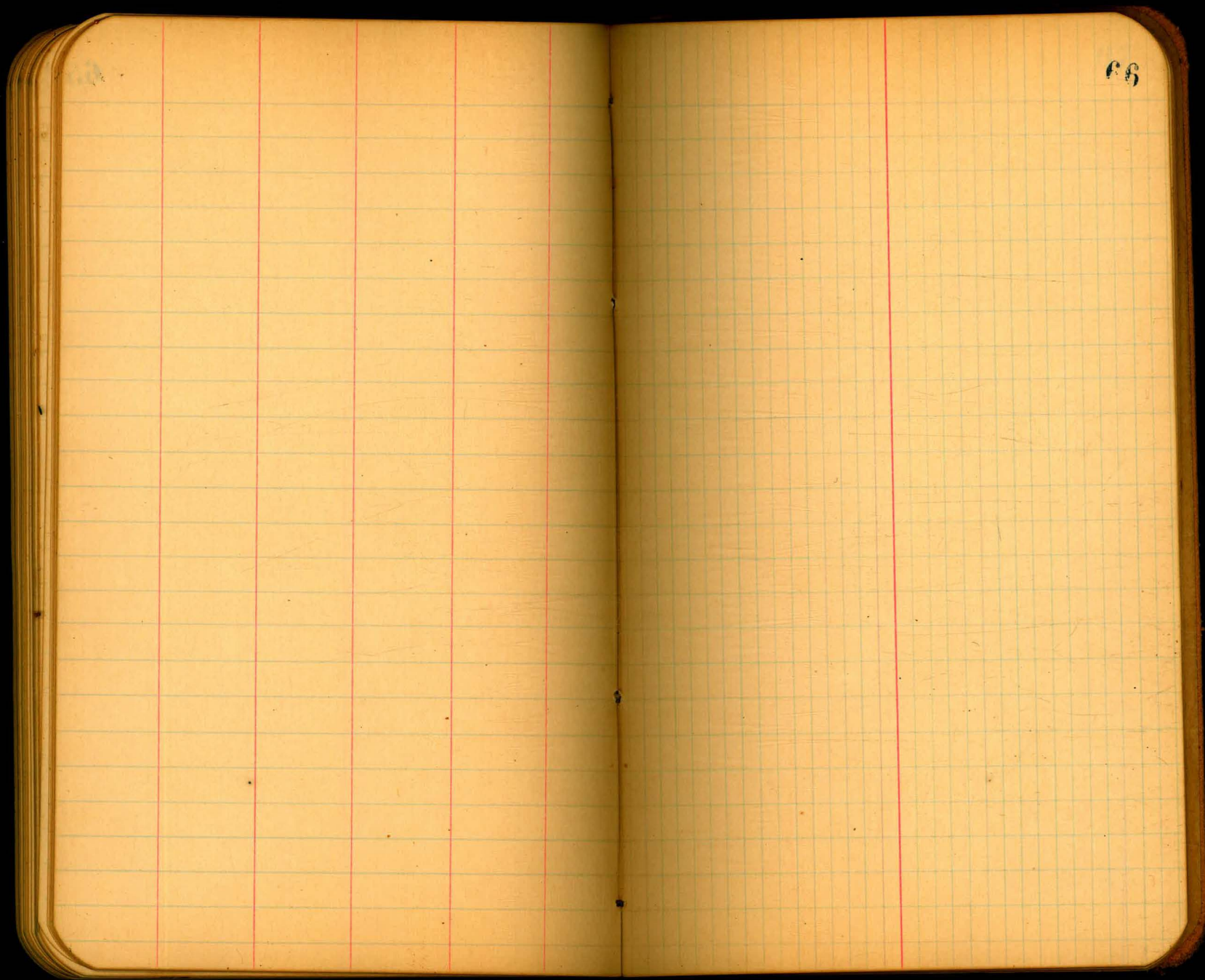


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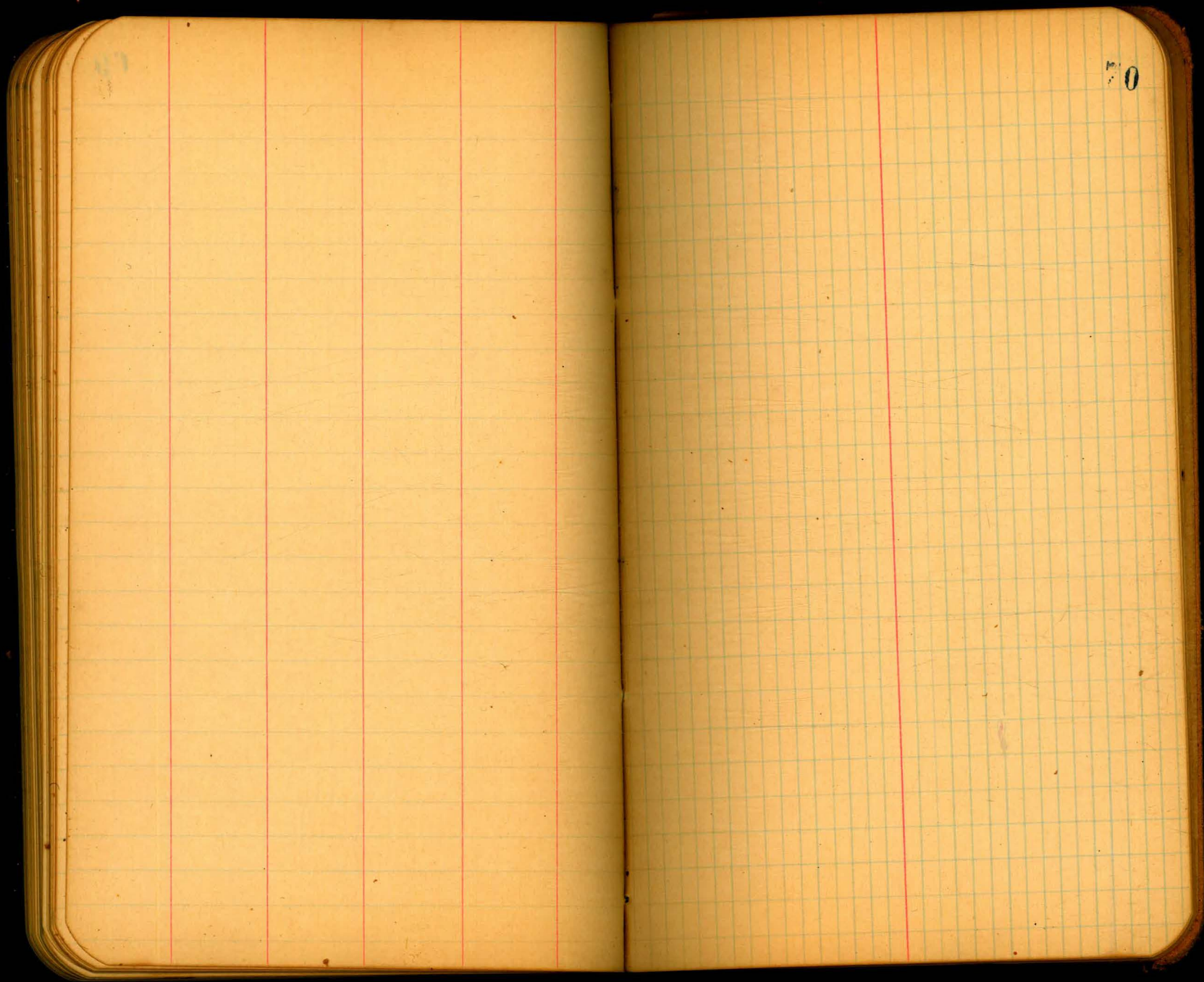
64

65



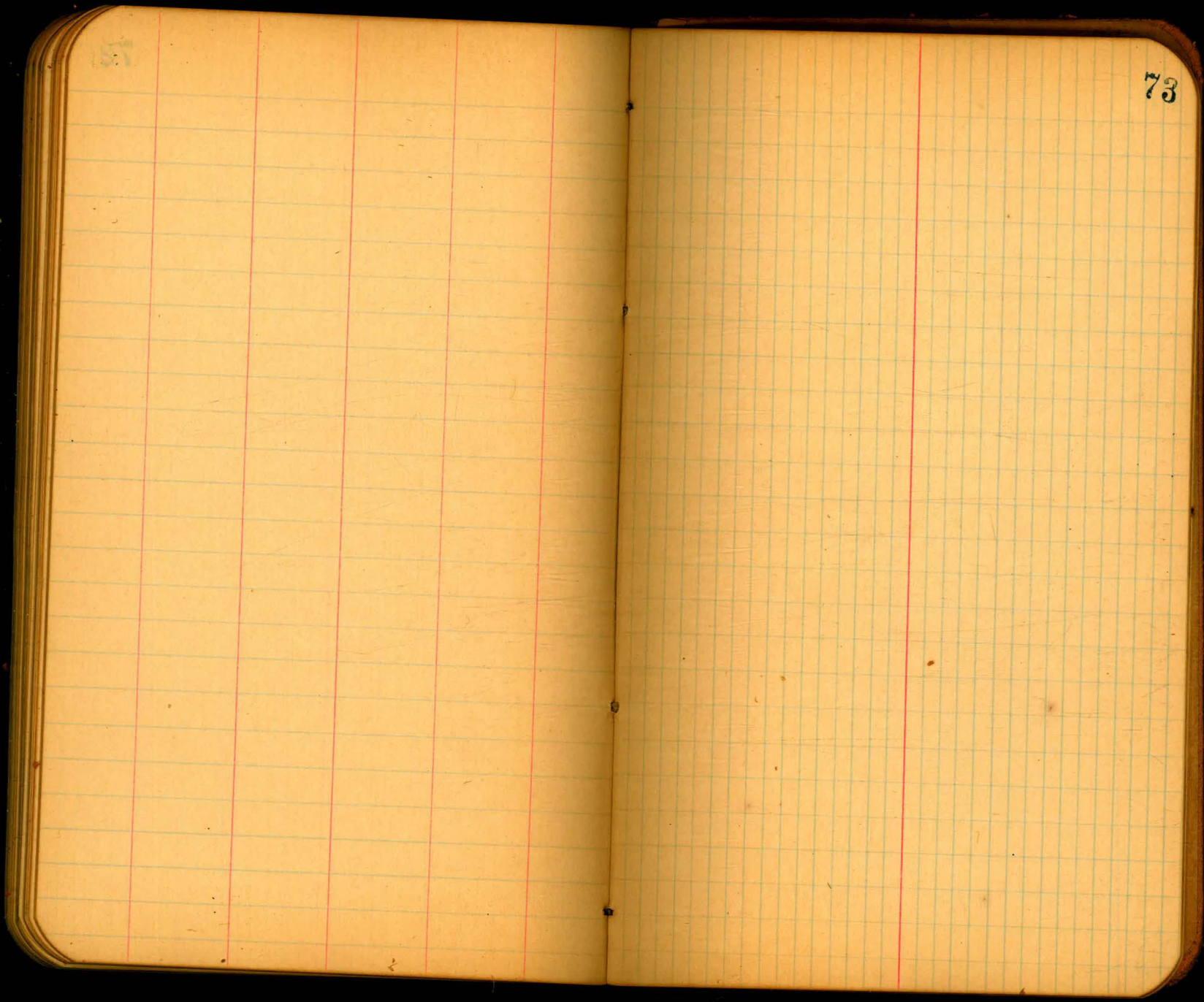
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68



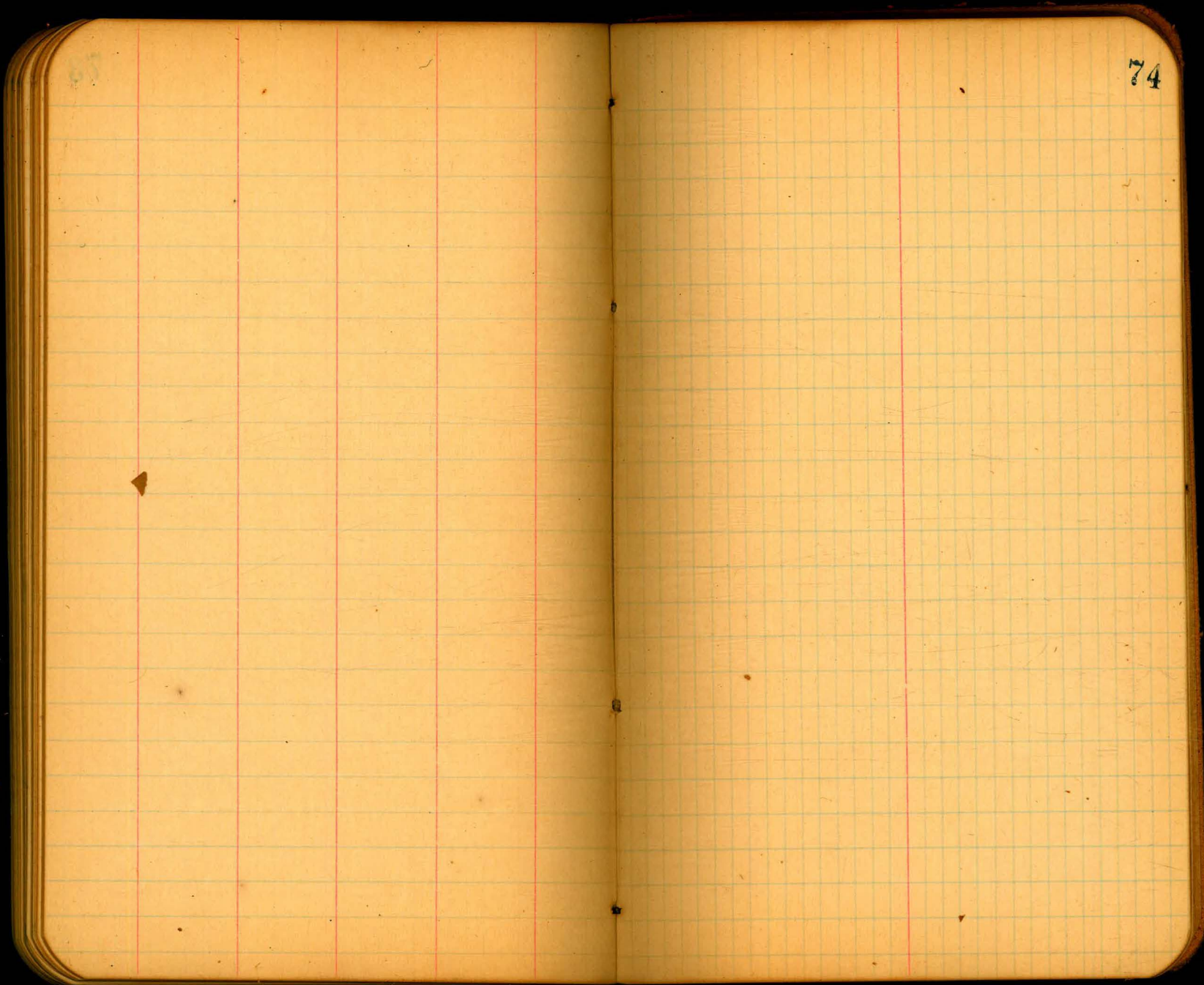
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72

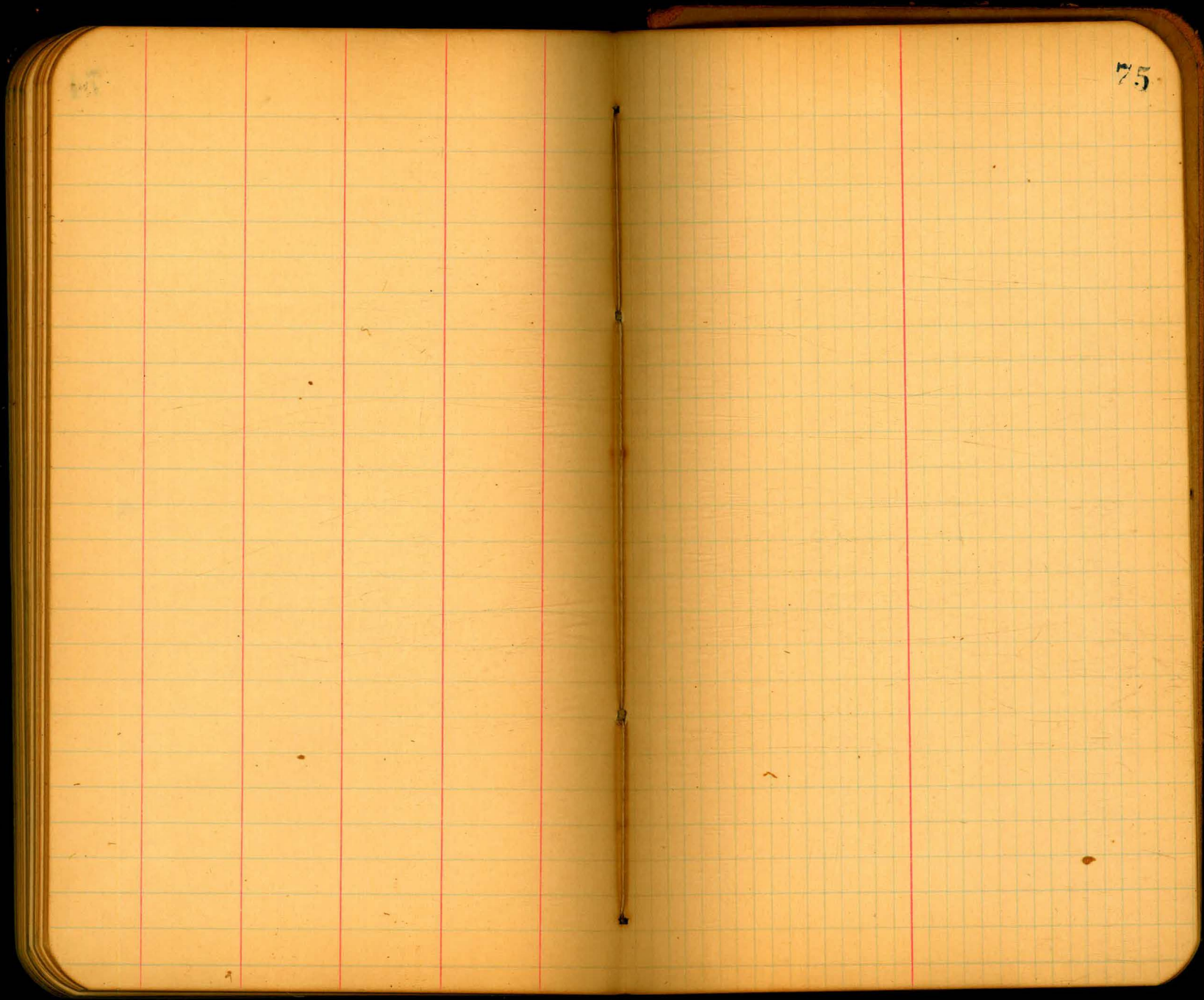


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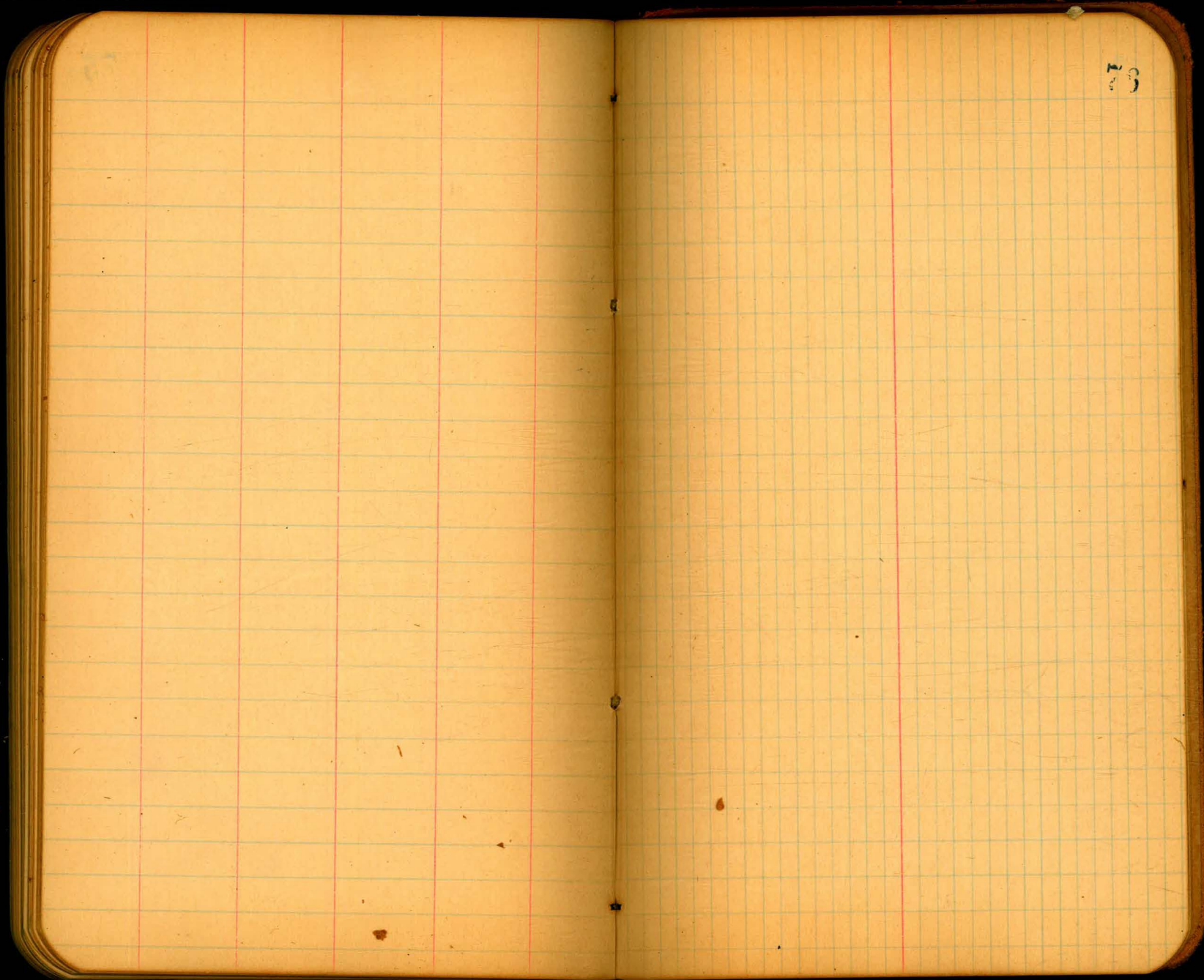
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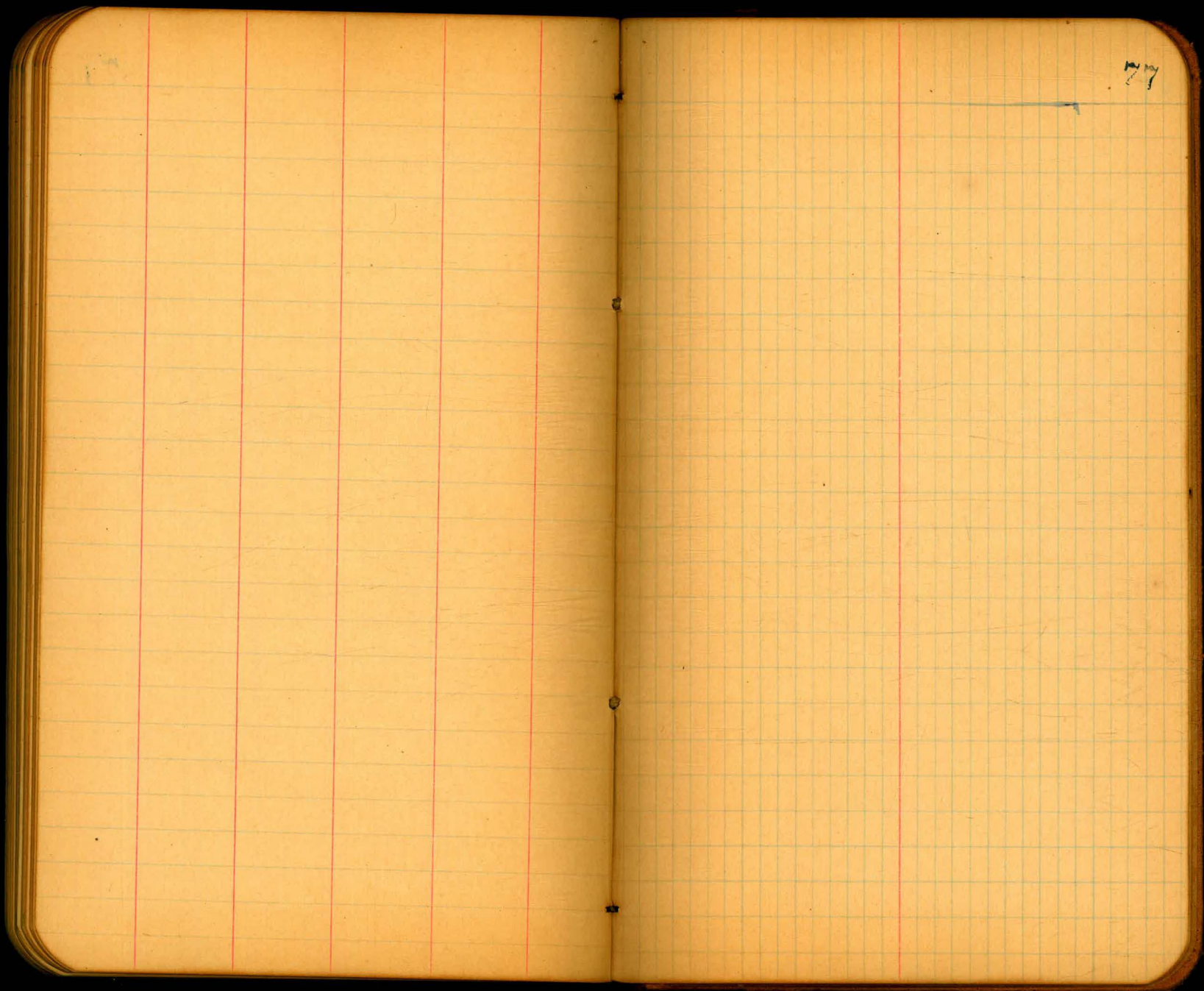
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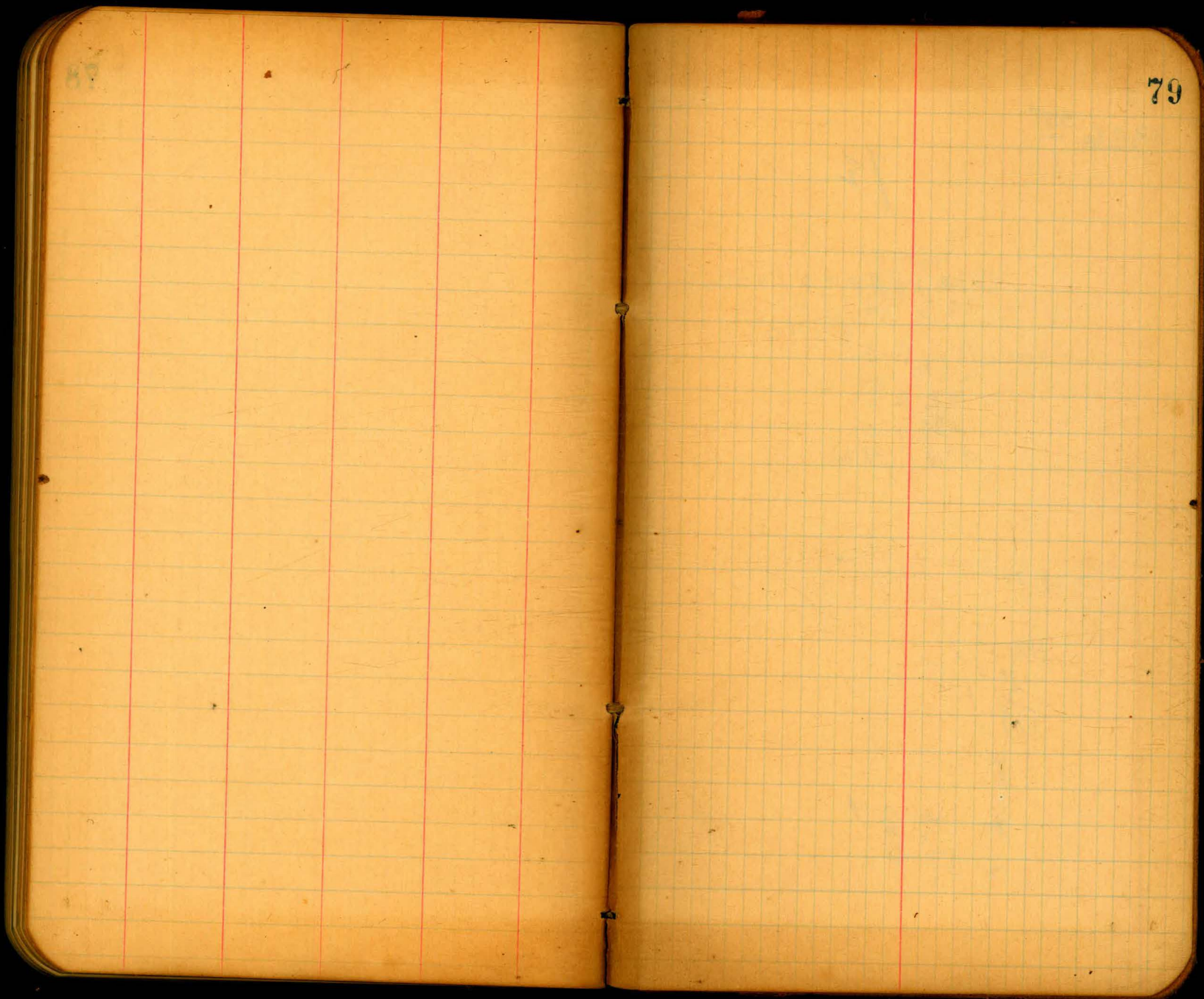
75



73



78



79

31²
1326³⁵
6,81

7 $\frac{1}{2}$

927.2) 75000 (00809
74176
8240

00029) 809 (27
58
229
203 27'30"

0'27'30"

112.3
4.5
1.5
1.0

37
14
7
0

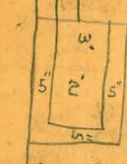
116.84
1299.6
137.83.6

1203.5
1331.2
112.3
2647.0

1323.5
1203.5
120.0

1720
1677
756
2015
13615
22976

East Side



West Side



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CITY OF SAN DIEGO,
CALIFORNIA.

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

Degrees.	DEGREES.		¼ DEGREE.		¼ DEGREE.		¼ 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	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
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	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
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	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
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							