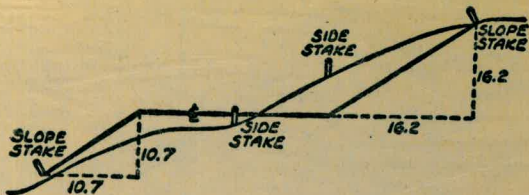


W 930

W 930



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1, ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

PUT ONLY BENCH
MARKS IN THIS
BOOK.

Beatty

67
29/6
BM 339.39

339.39 BM
6.98
346.37 d

6.5 Intersection 333.9
of road

56 " " 334.8
2.5 @ Gate Res 337.9

3.17
337.20 d
9.88
347.08 d

0.7 @ SE Cor
346.4 & Rd.

0.55
346.53 d
13.26
359.79 d

349.4
10.4 Inters Rd
SE

11.5 @ lower gate 348.3
7.9 @ Upper Gate 351.9

0.00
359.79 d
13.36
373.15 d

360.4
12.8 on Drain

2.9 @ Gate Bldg 370.3
+1.6 upper dock 371.9

13.10
360.05 d

Base Dk 9.7 ✓
on Dock 5.8 ✓
on Dock 10.1 ✓
Base Dk 13.4 ✓
on Dock 9.3 ✓
on Dock 4.9 ✓
on Dock 6.4 ✓
Base Dk 10.3 ✓
on Dock 10.7 ✓
Bs Dock 14.2 ✓
13.37
348.68 d
0.75
349.43 d
2.1 @ Dock
3.9 @ Gate
10.05
359.38 CK BM

BEVERLY MAP #129
TIE PT. SEC 4
3366
3365

Delta St
Tie pt SEC 4 (3406
340)

FB 2412

10-17-57

RECORDERS

MIDWAY & ROSECRAWS SEC COR

BM 3.80 SWIMON EL CAMINO DEL
RIO & KURTZ

4.16 7.96 3.80 BM

TP 203 7.57 2.42 5.54

ELEV & RECORDER 1.65 5.92

TBM 5.84 7.42 5.99 1.58 CON. BASE
SIGNAL LIGHT
POST

FA 4.95 7.76 4.61 2.81

CK BM 3.95 3.81=3.80
BM
SAME AS
ABOVE

10-17-57
RECORDERS

MIDWAY & ROSECRANS SECOR

BM 3.80 SWIMON EL CAPITAN DEL
RIO & KURTZ

4.16 7.96 3.80 BM

W 203 7.57 2.42 5.54

ELEV & RECORDER 1.65 5.92

TBM 5.84 7.42 5.99 1.58 CON. BASE
SIGNAL LIGHT
POST

W 4.95 7.76 4.61 2.81

CK BM 3.95 3.81 = 3.80

BM
SAME AS
ABOVE

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.711	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

BENCH MARKS ONLY!

INDEX

- Bench Marks — CHOLLA STATION AREA ✓ 1. alice
- BM's - BONITA PL. — PARADISE HILLS AREA 2 ✓
- BM's - LAKE MURRAY & FILTRATION PLANT 3
- BENCH MARKS - EL CAPITAN PIPELINE 4 ✓
- BENCH MARKS - W. SIDE HWY. 101 - CAMP CALLAN 5 ✓
- BM'S & LEVELS - OTAY 2ND MAIN ELY PARADISE HILLS - 6 ✓
- BM'S & ELEV. METER GAUGE BLDG. 20TH "B" - 7 ✓ M.H.

BENCH MARKS
ESTABLISHED
ON
VALVE CHAMBERS
AT CHOLLA STATION.

B.M.	2.98	308.41	305.43	CITY Datum
TBM	12.65	313.40	7.66	300.75
IP (Recor)	4.10	317.04	0.46	312.94
TBM	6.31	320.34	3.01	314.03
IP (Recor)	11.93	332.15	0.12	320.22
IP (Top 2nd P)	11.18	343.19	0.12	332.01
CK B.M.	3.44	346.17	0.46	342.73 = 342.72
TBM			5.14	341.03
TBM			6.24	339.99
TBM			3.16	343.01
TBM			1.45	344.72
IP	11.04	356.34	0.87	345.30
B.M.	0.40	351.76	4.98	351.36
IP	4.20	344.01	11.95	339.81
			4.62	339.39 = 339.39
B.M.				383.21

Mar. 21, 1956
BEATTY
SMITH.

1.

CH15 □ NW Cor. Curb RET.
CHOLLA STA Rd & Redwood

CH15 □ End of curb, Nor of entrance gate - Cholles
STATION

CH15 □ NWly cor CONC WALK - 6' west NW Cor. Shop. ^{Carpenter}

(See FB 320-48 & 794, 19)
CH15 x NW Cor Val Chamber 30° Val. Otay 2nd Main Pl.

NW Cor RR Val Cham

NW Cor Wly of ↘

NW Cor Val Chamber Otay & Cholles Pl Conn.

NW Cor Val Cham Ely of ↗

CH15 □ NW Cor Conc Cham 300' Ely of (Air Val #2)

NW Cor Conc Cham 300' SW pipe yard - at
(See F.B 794-29) pump house

CH15 □ (Air Val #1) Conc Cham. (Below dam)
(See F.B 879-14)

Bench Marks Established
on Valve Chambers on Borita Pipeline
(Paradise Hills Area)
(SEE FB 778-68)

TBM	213.29	USGS Datum
TBM	232.85	USGS Datum
TBM	202.96	USGS Datum
TBM	227.34	USGS Datum
TBM	218.59	

West
Williams
Varonakis
Kellhofer

3/30/56

Chris □ North Side Conc AVA Chamber 123+10⁹⁸
Chris □ Top Wly Side Conc AVA Chamber 129+61²⁸
Chris □ Top Wly Side QV. Chamber 138+25
Chris □ Top Wly Side Conc AVA Chamber 143+69⁶
Chris □ Top South side Conc AVA Chamber 153+49⁸

BENCH MARKS
(ESTABLISHED)
AT FLUMP AREA BELOW
MURRAY DAM)

BM

3

BENCH MARK
(ESTABLISHED)
EL CAPITAN PIPE LINE

(SEC. FB. 676-30)

TBM

267.54

TBM

312.16

Moorey & party.
5/17/56

{ Chis n on conc pier end of Trestle
Sta. 942+
Chis n Conc AVA Chamber 946+

BENCH MARKS
W. SIDE Hwy 101 - Vicinity of
Camp Callan
(see FB 934, 12-14)

5/23/56 WEST
5/28/56 BEATTY

5.

BM	395.278 401.398	CITY DATUM USCGS.	Conc Mon Hwy cor Bdry fence SDGE. Sub-station LA JOLLA JCT
TBM	371.47		□ Sully Cor. Exhaust Muffler platform 13109 #8451 Camp Callan RES. Pump House
TBM	429.28		□ SW Conc ftg. Camp Callan Elev. Tank
BM	434.76 = 434.01 City Eng		BR on NEY Conc ftg. Δ "SE. RANGE."
BM	433.48 = 433.00 City Eng		USCGS Mon Δ Sta. "Highway"
BM	397.44 = 397.26		□ Conc. at former Chlorine houses
BM	430.38 = 429.89 City Eng		BR on NE Conc ftg. Δ "NE Range" Elev. 430.38 painted (by who?) USGS 436.00

CK LEVELS & BM'S
 OTAY 2nd MAIN P.L.
 ELY of PARADISE HILLS

MAY 23, 1957 WINDY,
 BEATTY
 SMITH

BM	0.58	400.60		400.02	CITY DATUM	3W. COR VAL CHAMBER BAYVIEW HILLS STANDPIPE F.B. 874-21
IP	0.65	388.33	12.92	387.68		
IP	2.54	377.55	13.32	375.01		
IP	4.09	377.48	4.16	373.32		
SET BM.	7.20	371.74	12.94	364.54		= 370.66 USGS. NW. COR VAL. CHAMBER 585+2939
IP	6.72	376.00	2.46	369.28		
			0.06	375.94		Top 4" AV STA 579+
IP	3.17	377.64	1.53	374.47 = 374.33		Top 4" GV " "
IP	4.76	370.88	11.52	366.12		
CK BM.	12.95	CORRECTED HI. 377.49	6.31	364.57 = 364.54		
IP	5.79	378.96	4.32	373.17		
IP	12.27	389.80	1.43	377.53		
IP	12.00	401.29	0.51	389.29		
CK BM			1.30	399.99 = 400.02		

SEE BM. 3
 FILE 2517
 USGS. Elev 380.45
 = 6.12
 City Det. 374.33

BENCH MARKS & ELEVATION OF
METER GAUGE AT COMMUNICATION
BLDG. 20th & Bth ST.

SHOREY AUG. 14, 1957
O'BRIEN

7

BM 3.27 67.21 63.94

CK. BM 4.11 70.64 0.68 66.53 = 72.65

= 66.53

2.74 67.90

+ 3.22 73.86

CK. BM 4.11 66.53 = 66.53

{ BM #1
BP. 120' E. OF 18th & Bth ST. ON NORTH CURB

- 11565, 1938 H 20-73 - ON STEPS OF ADMINI-
- CITY DATUM STRATION BLDG. 20th & Bth

FLOOR BENEATH METER GAUGE

& METER GAUGE (# 20436 BRISTOL)

BENCH MARKS VICINITY
RAYVIEW RESERVOIR

11/12/57
BEATTY

8

BM	441.08	NE. COR VAL CHAMB, outside of Bdry FEN W. SIDE
BM	459.455	CHS □ Top BUTTRESS BLK NWly COR RESERVOIR
BM	449.02 = 448.96	NW COR VAL CHAMB. on Kearny Mesa P.L. SE of Res. inside Bdry Fence
BM	439.52 = 439.45	NW COR VAL CHAMB. on K.M.P.L 300' Sly of RES

BENCH MARKS
KEARNY MESA P.L.

11/15/57
BEATTY

9

(Copied from F.B. 771-67)

B. BM.	113.93
B. BM	117.32
B. BM	105.16
B. BM	324.55
BM	263.56
BM	62.20
BM	67.61

NW Cor Box 215+58⁴⁸ (L&T on Box)

S. side Box 219+96⁴⁶ " "

NW. Cor. Box 223+33⁴⁶ " "

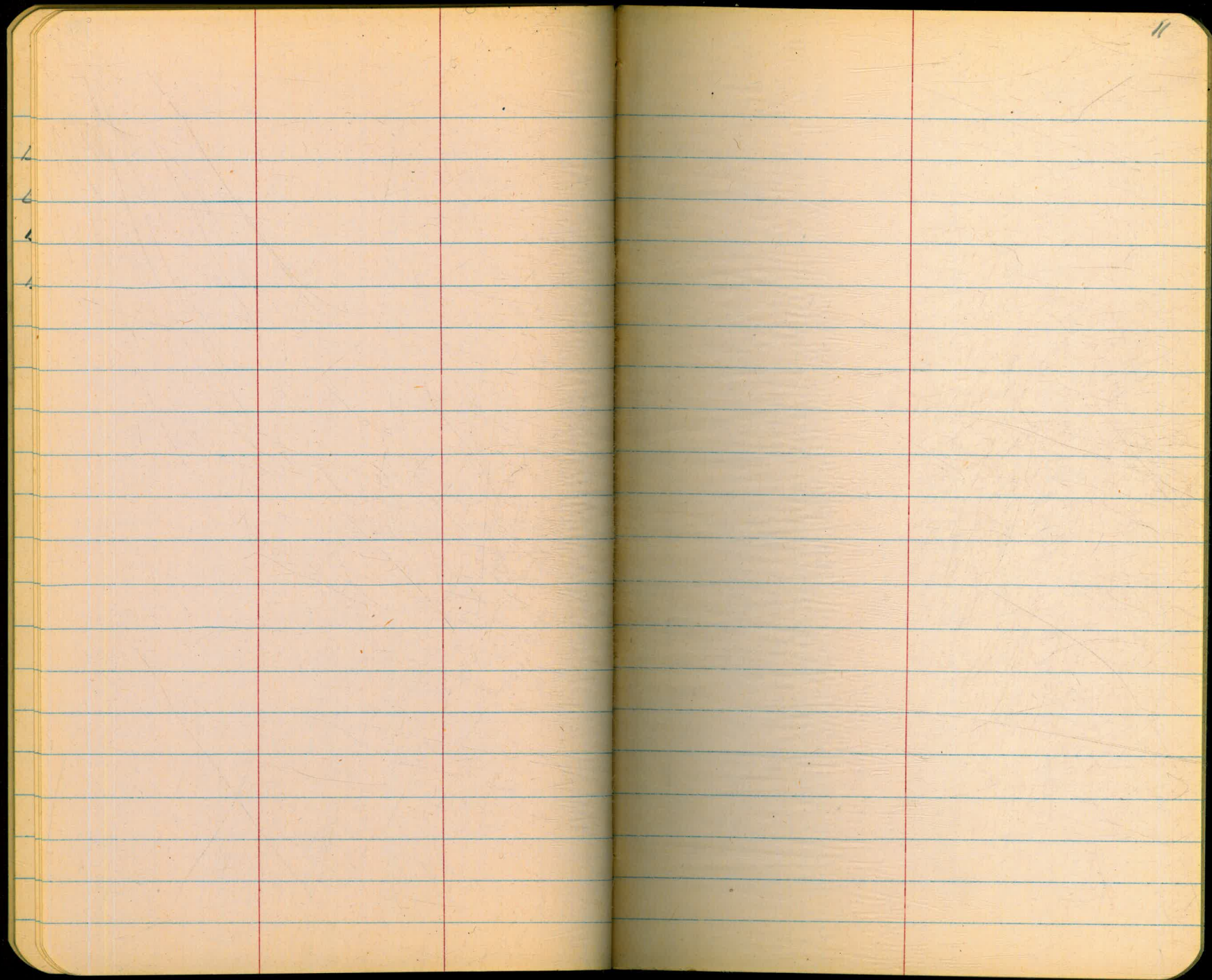
NW Cor Box 240+00³¹ " "

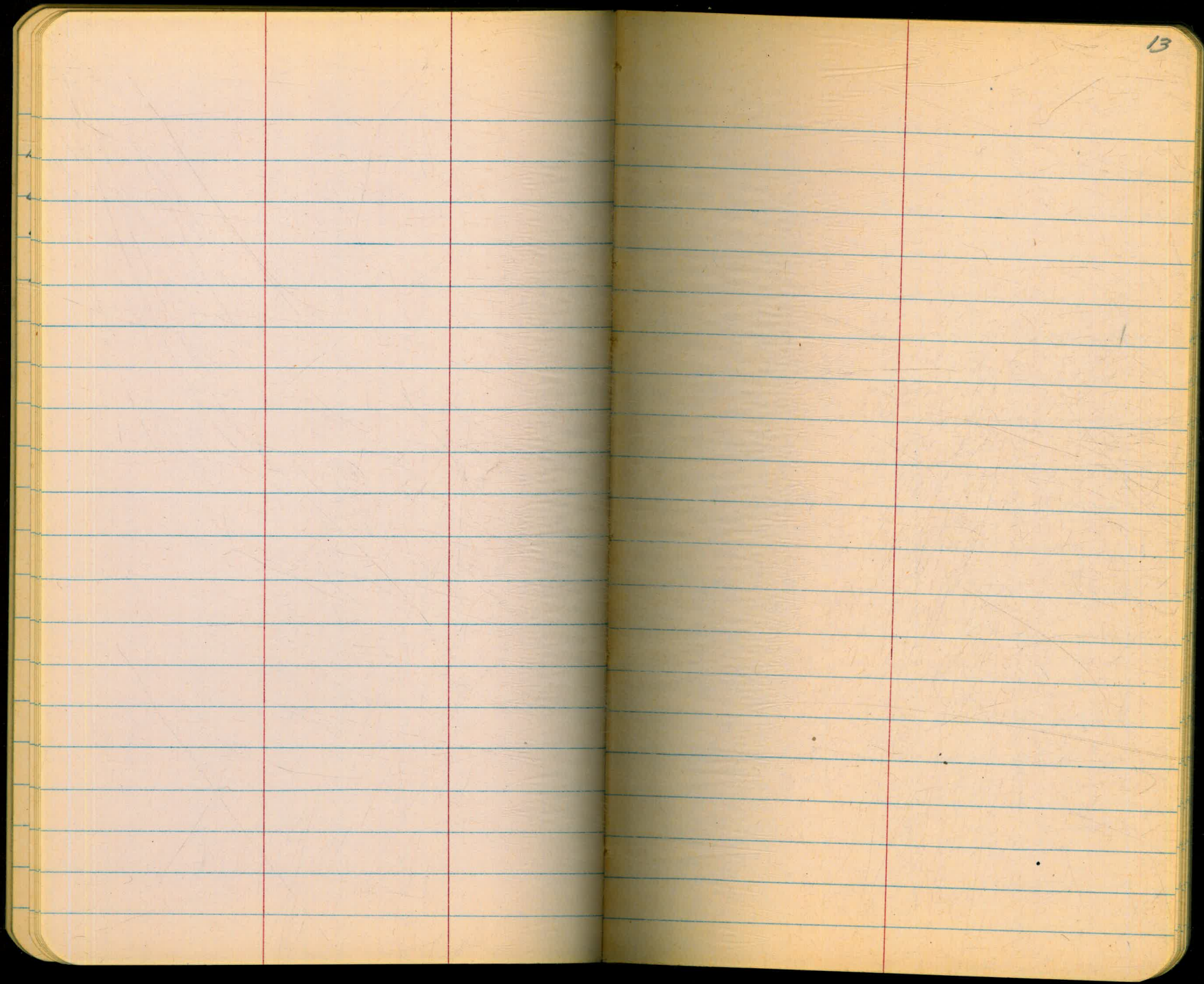
SW Cor Box 301+70⁹⁰

NW Cor. Box 321+77³⁷

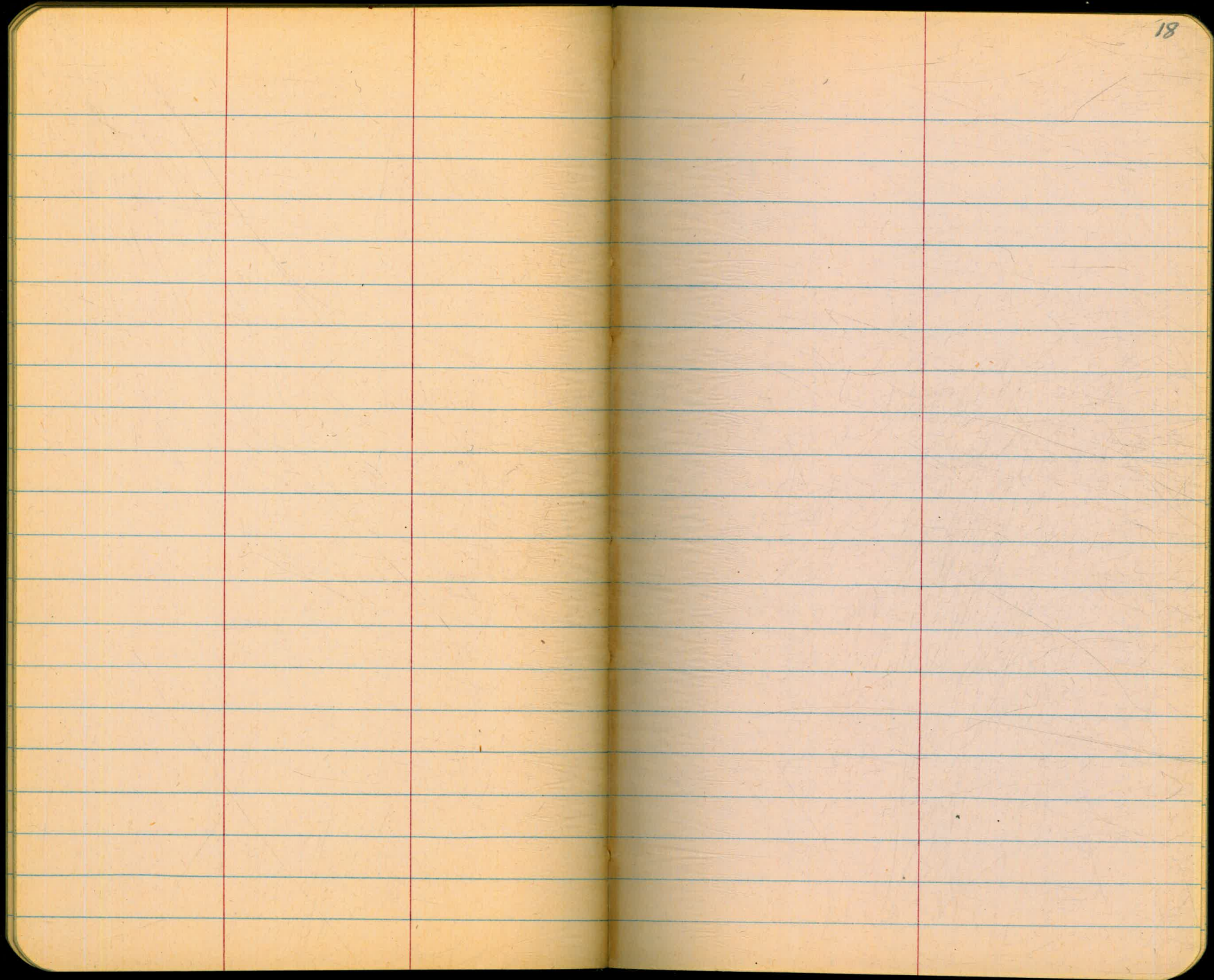
NW Cor Box 324+93⁷⁹

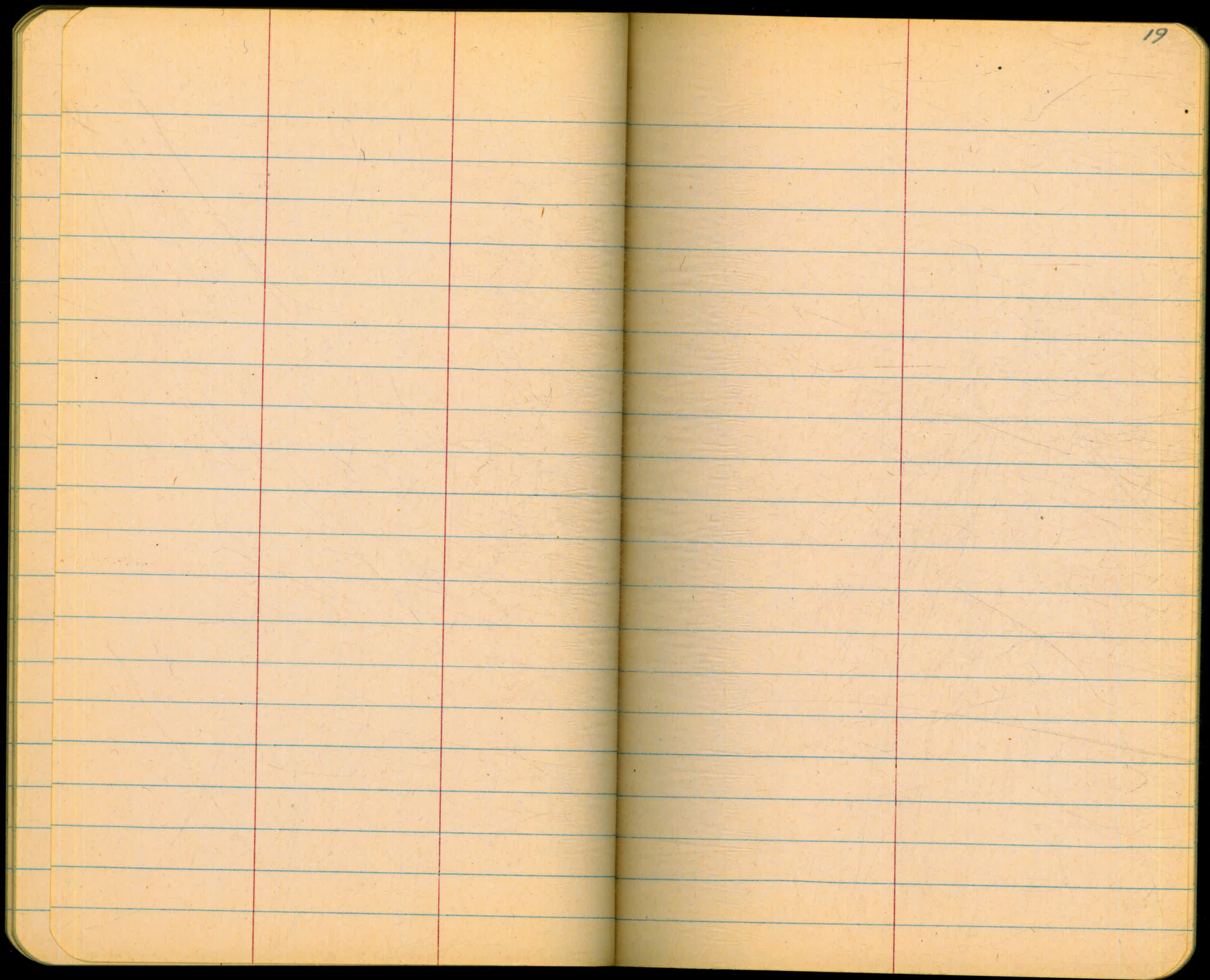
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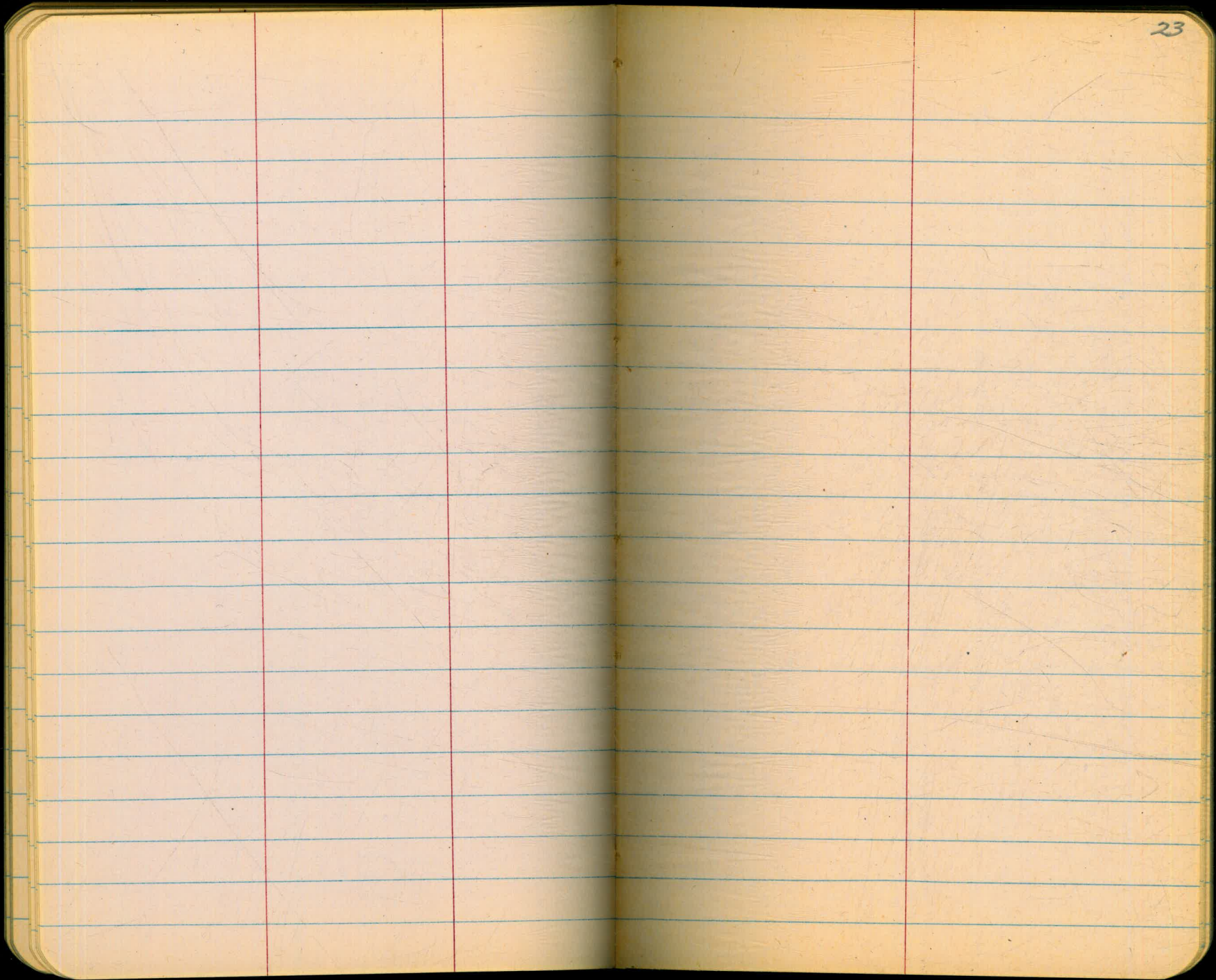


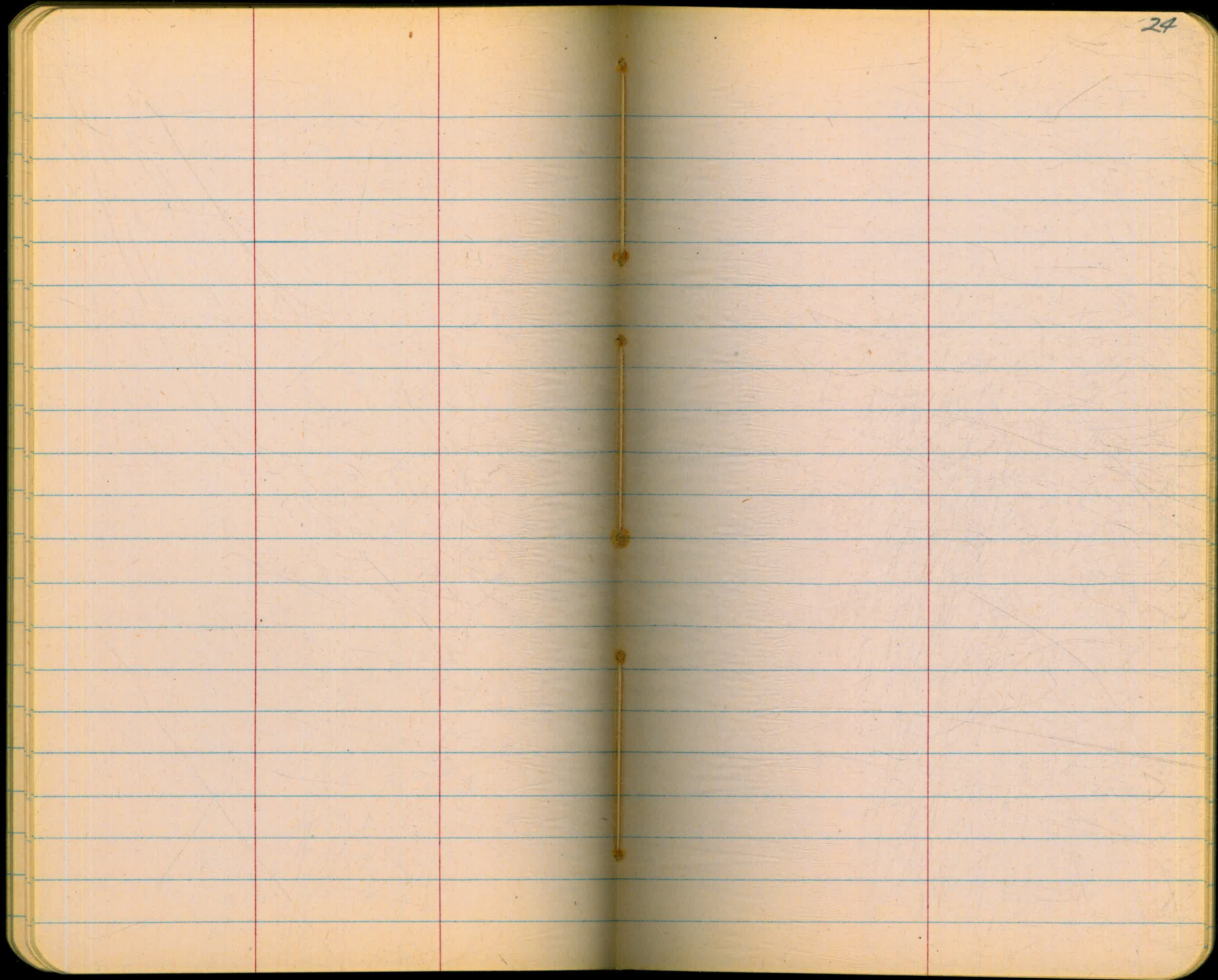


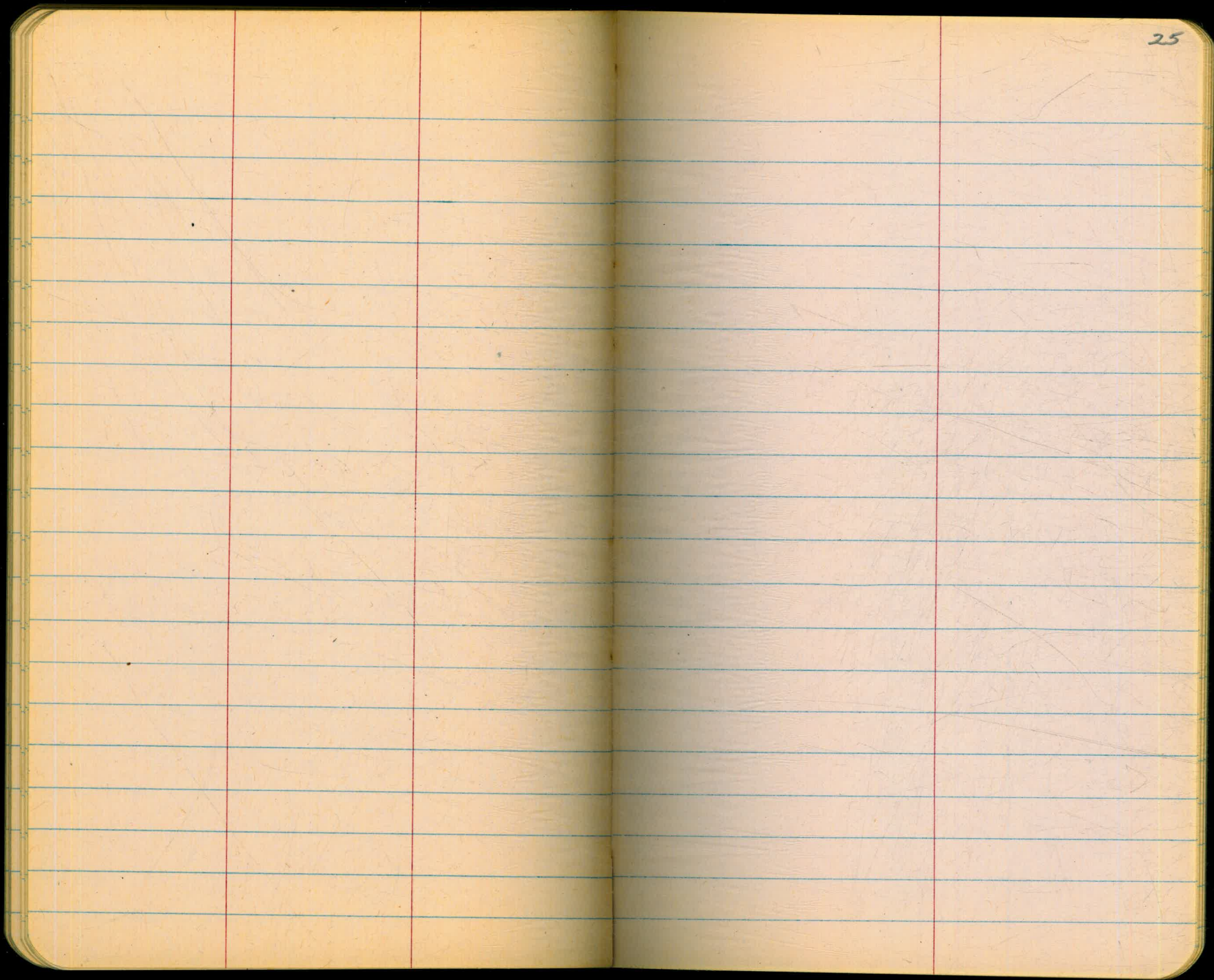
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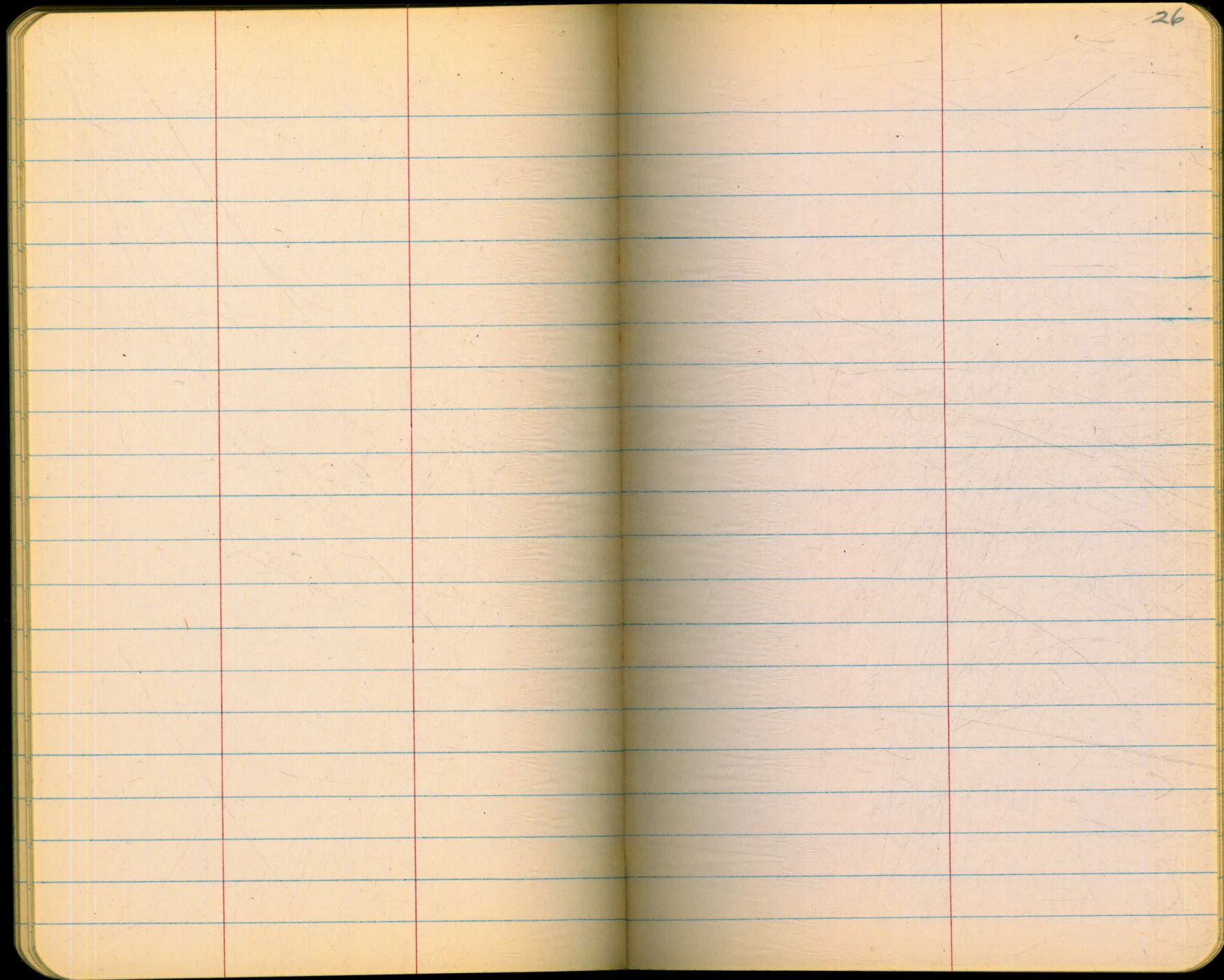


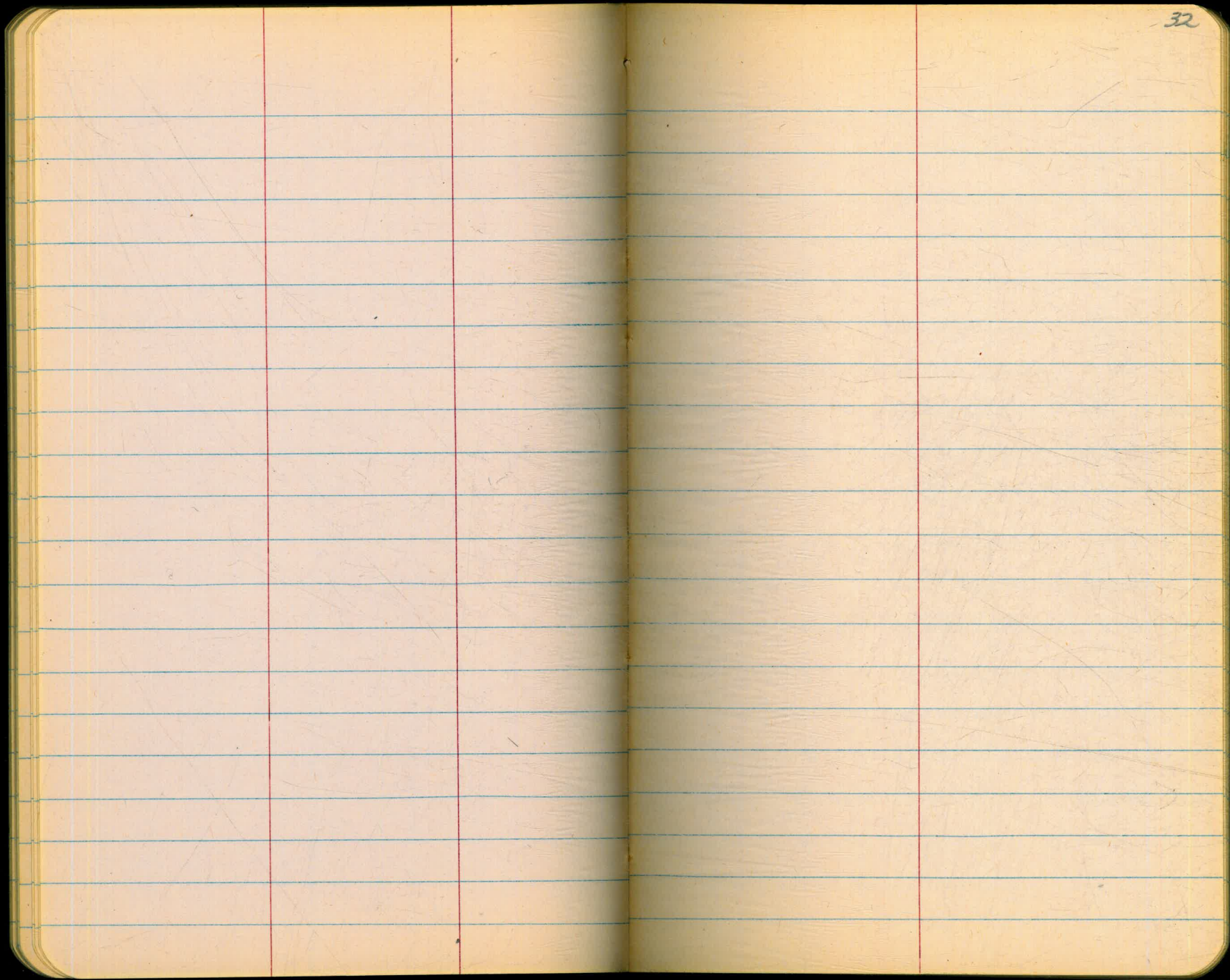


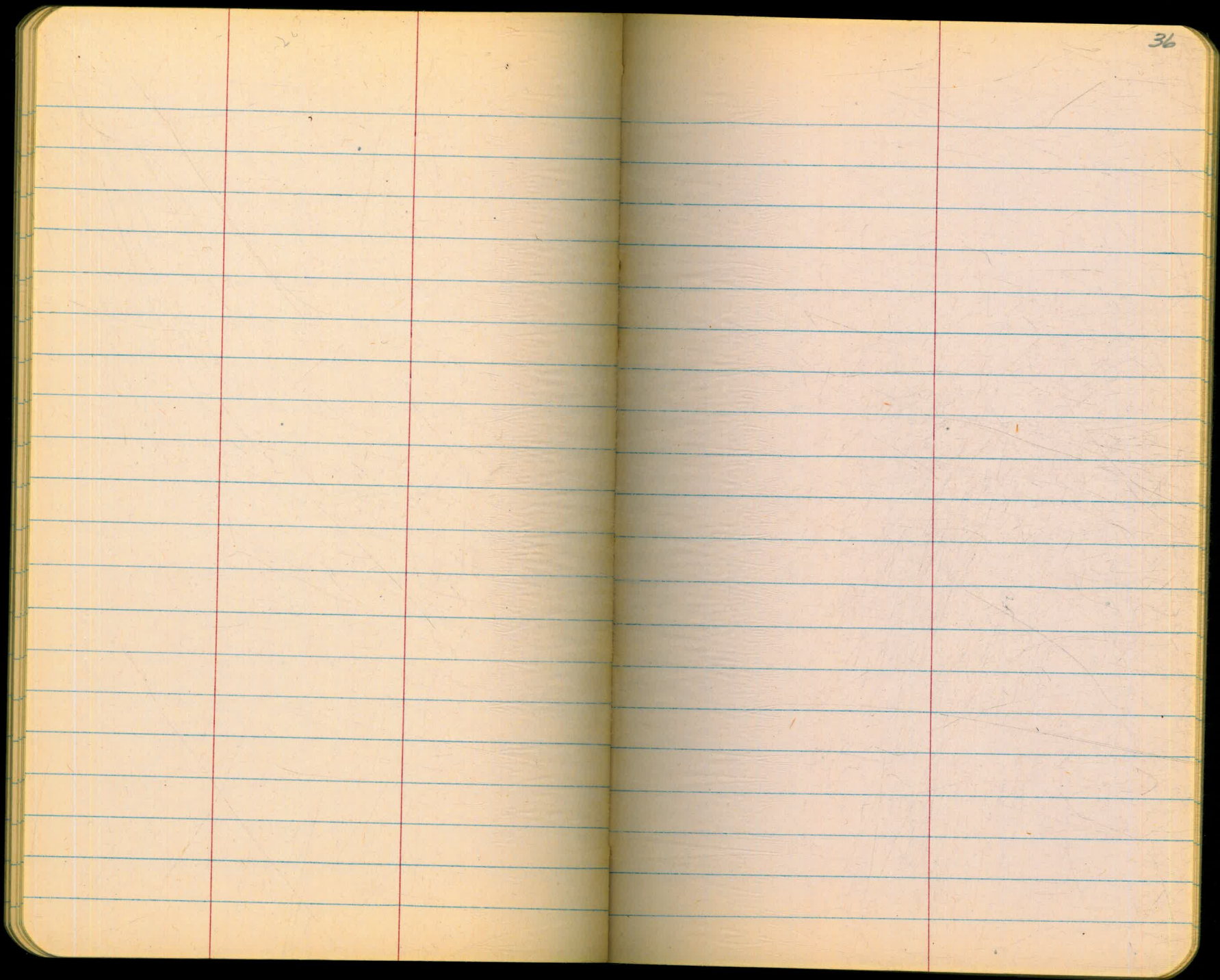


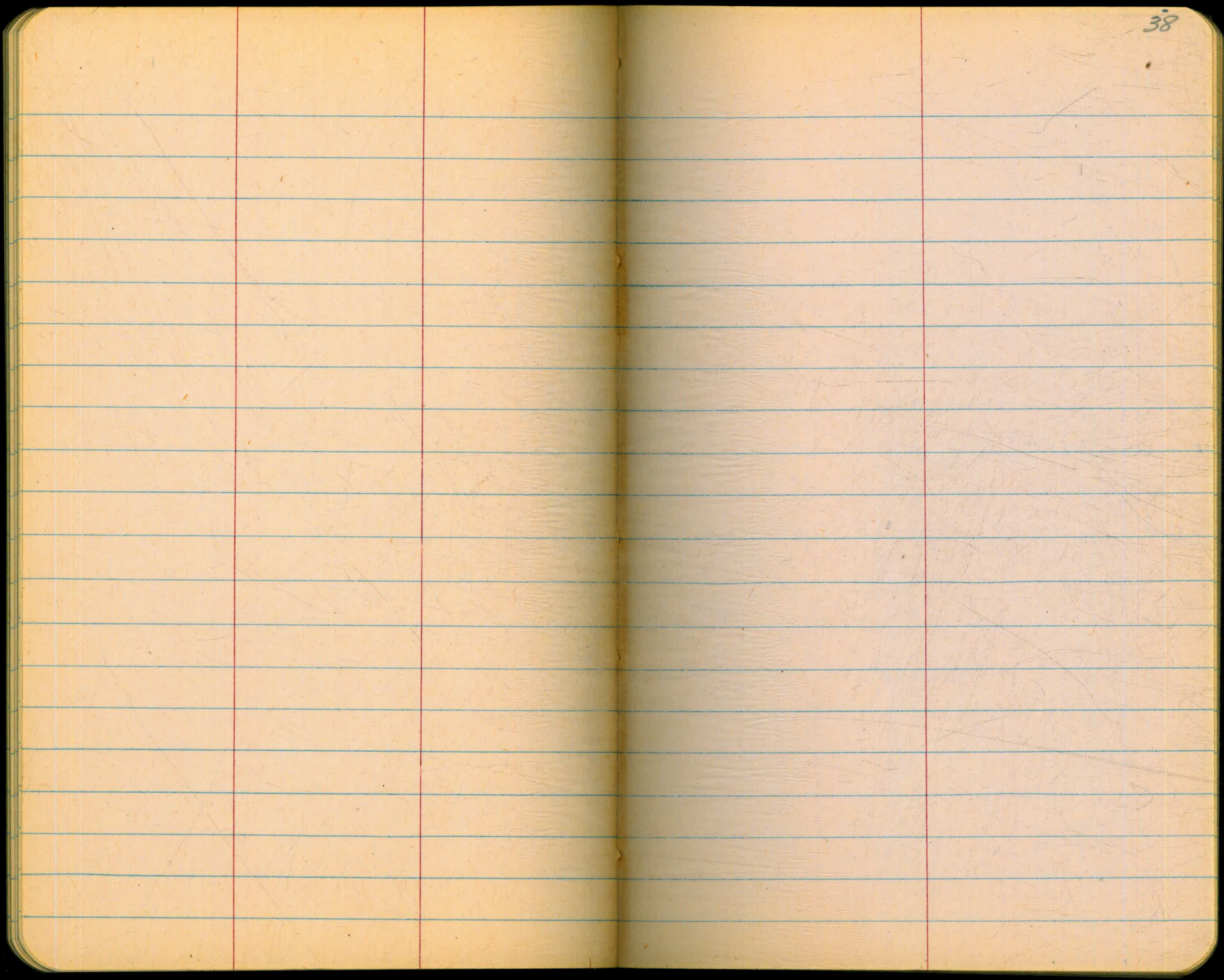


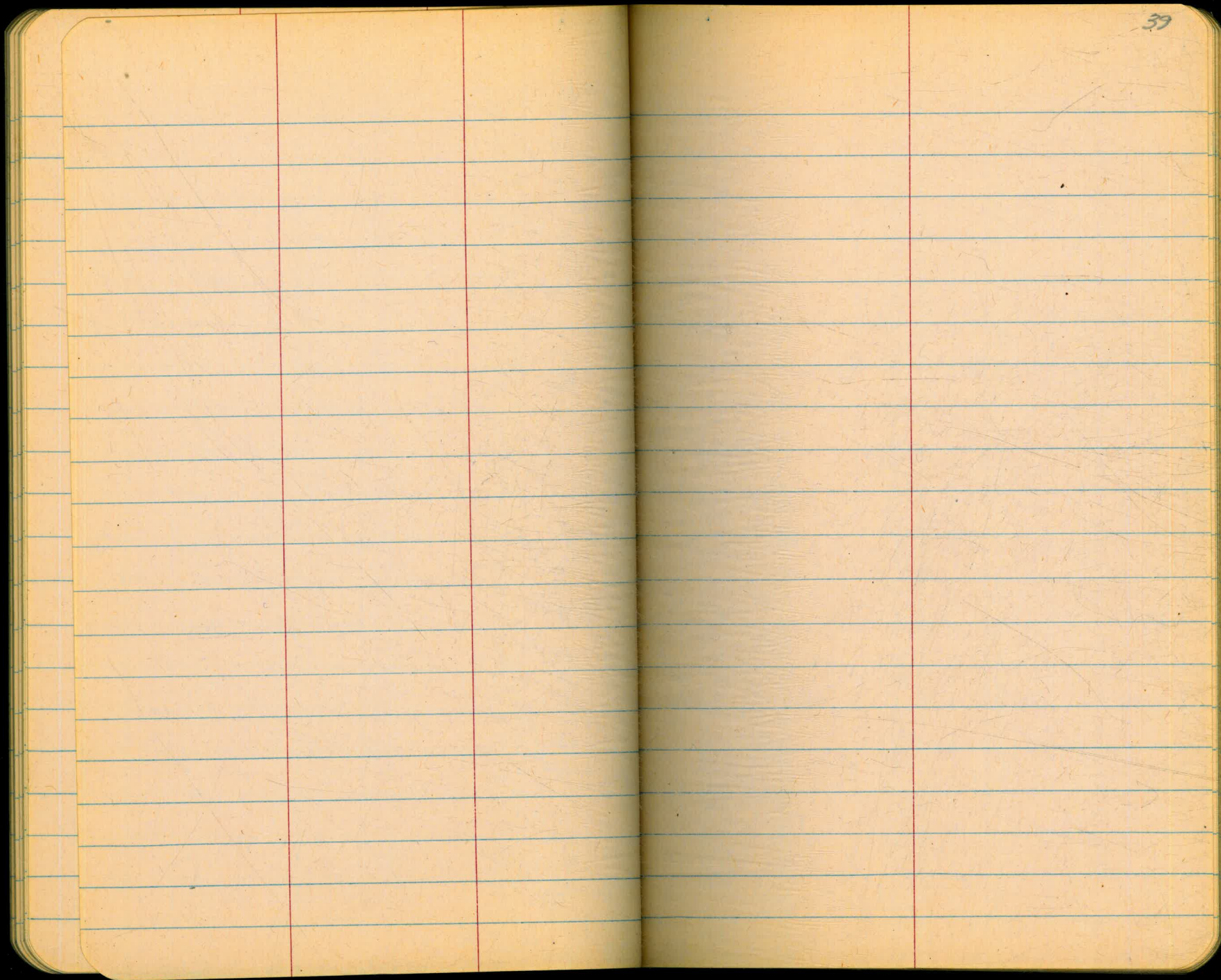


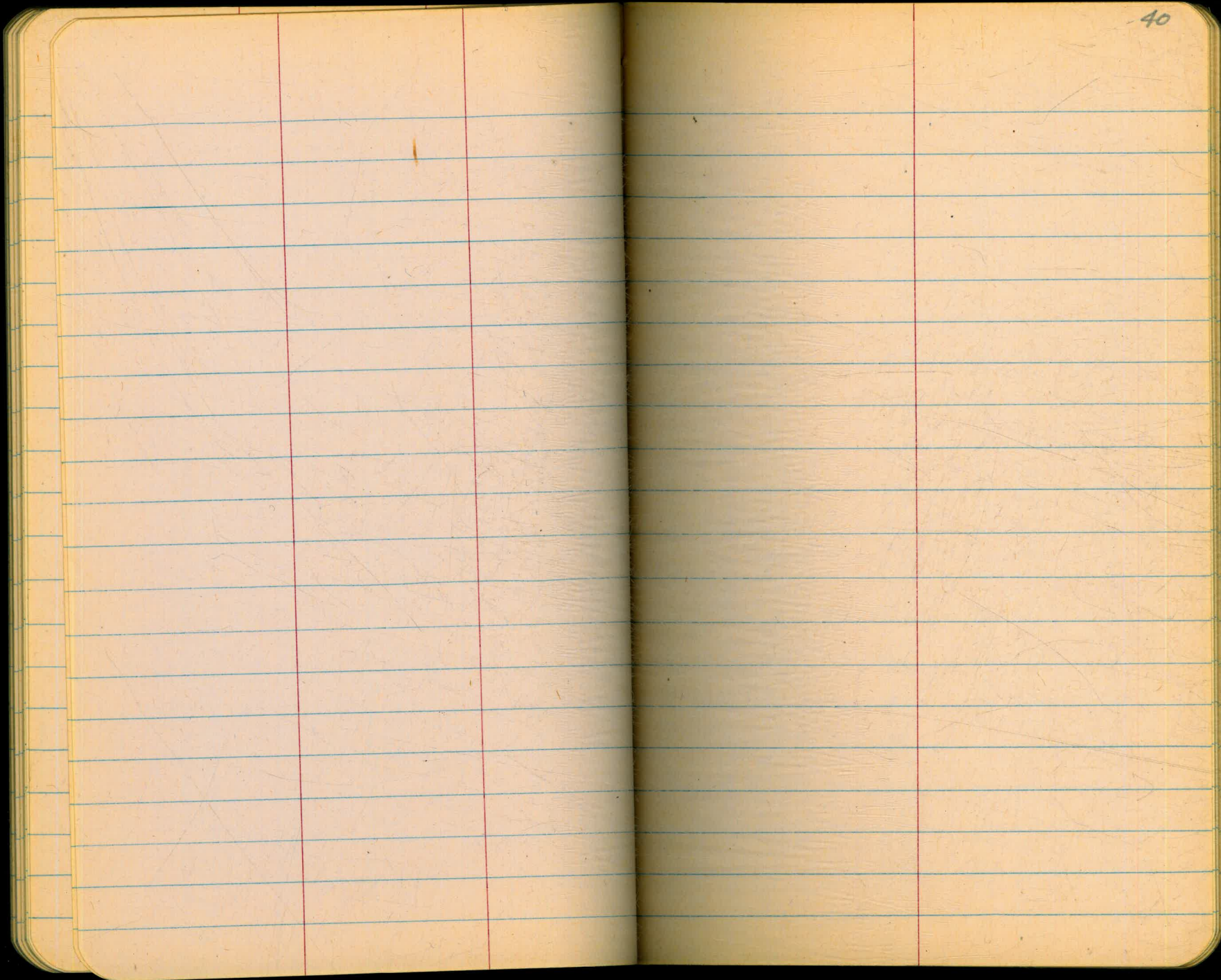


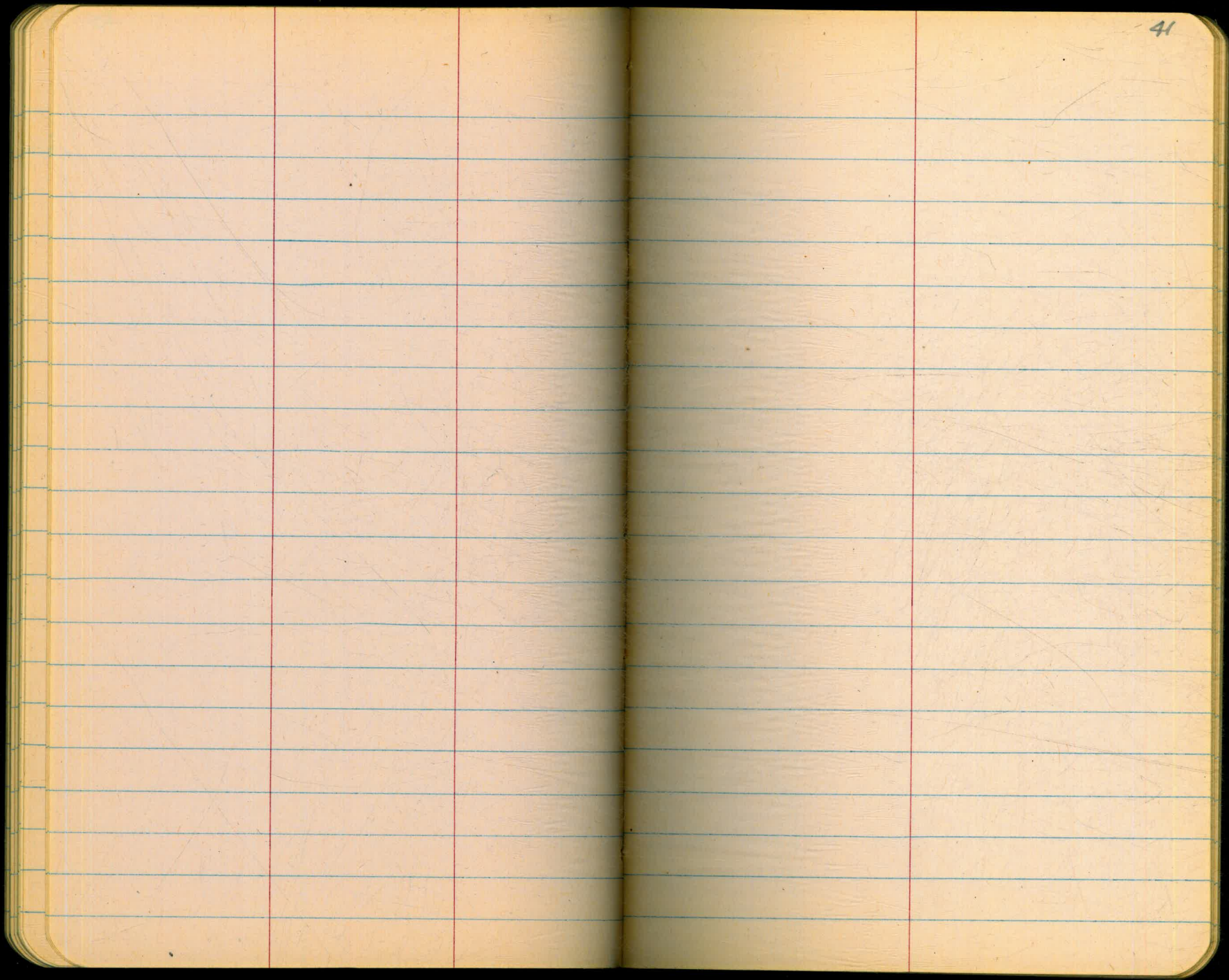


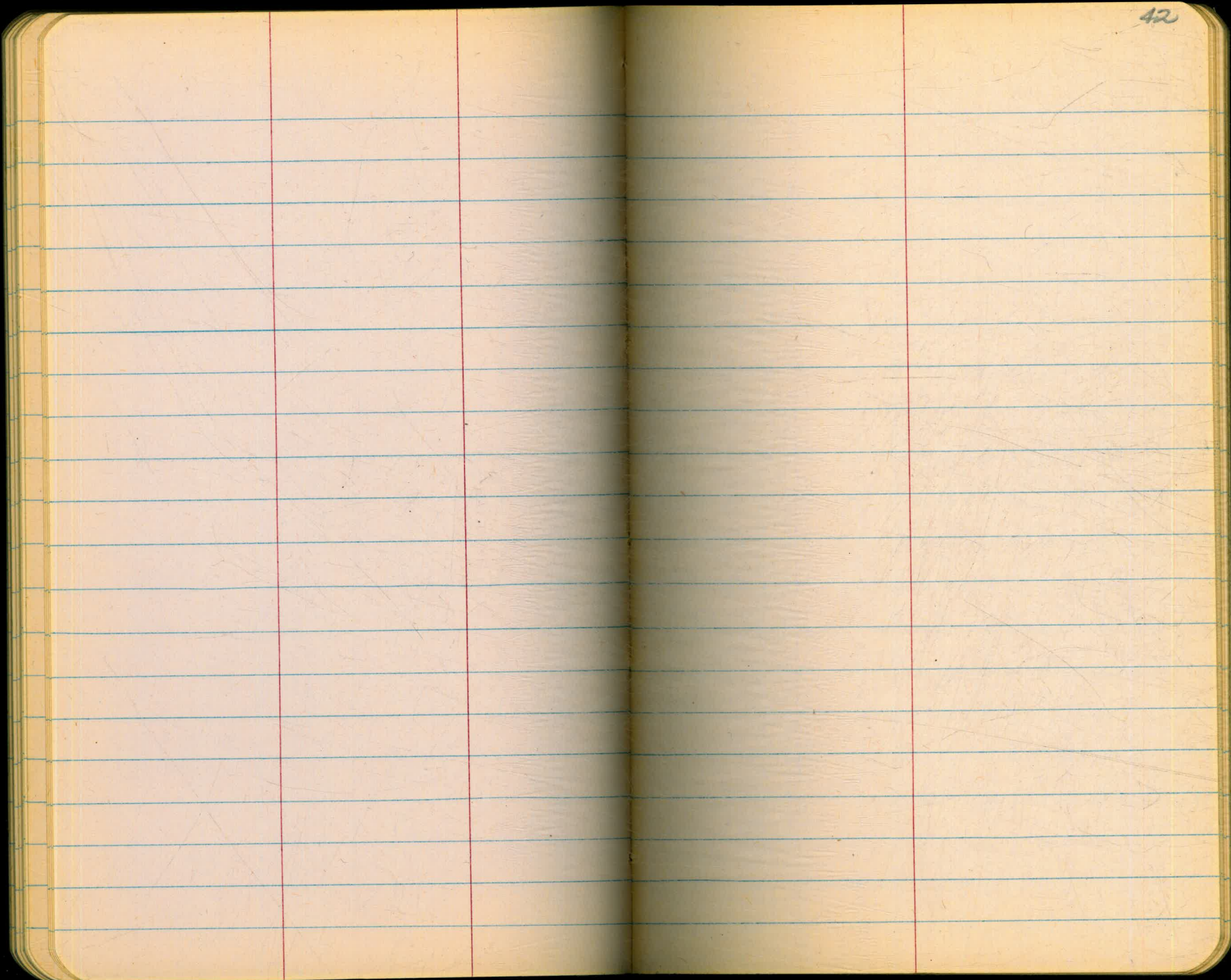


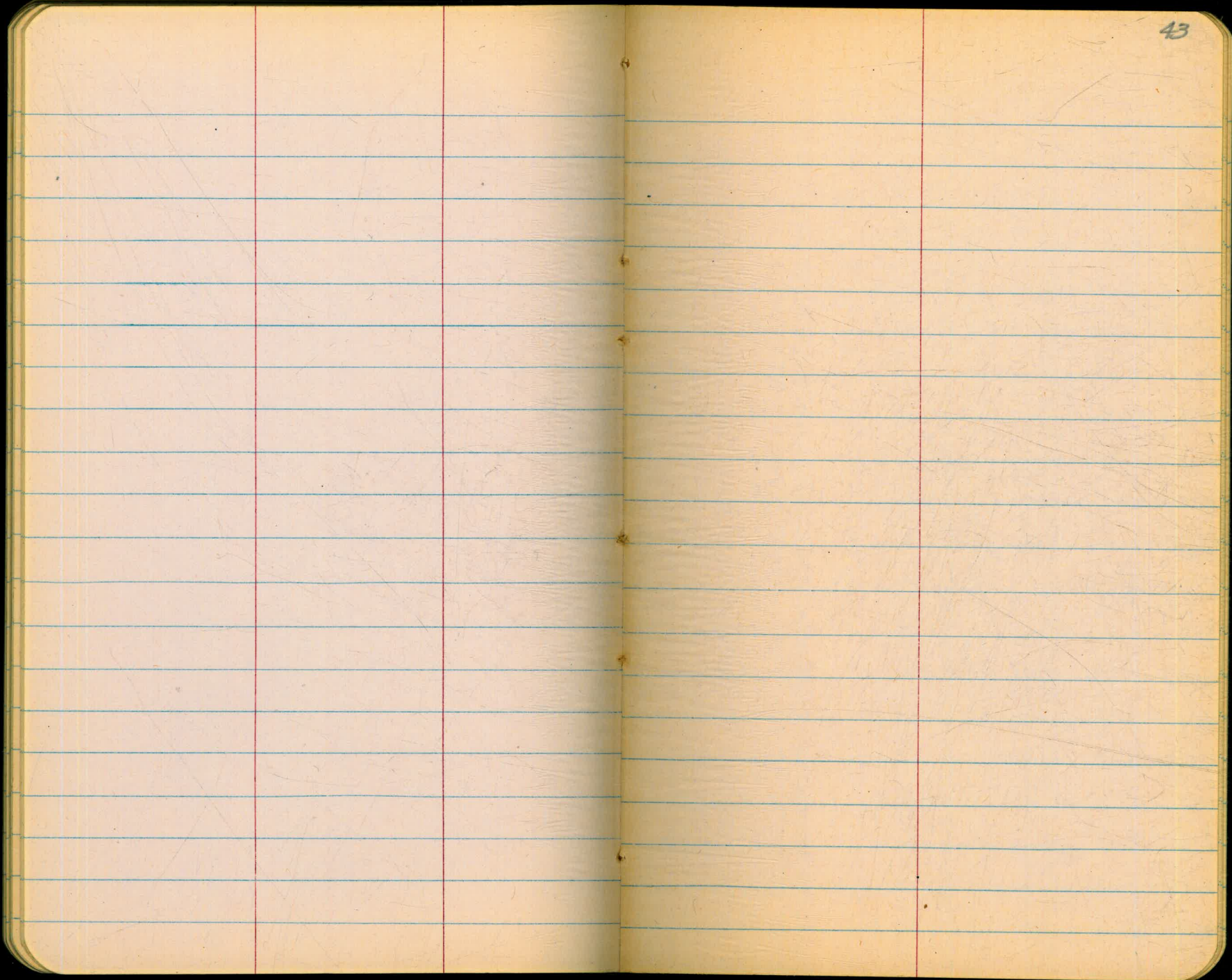


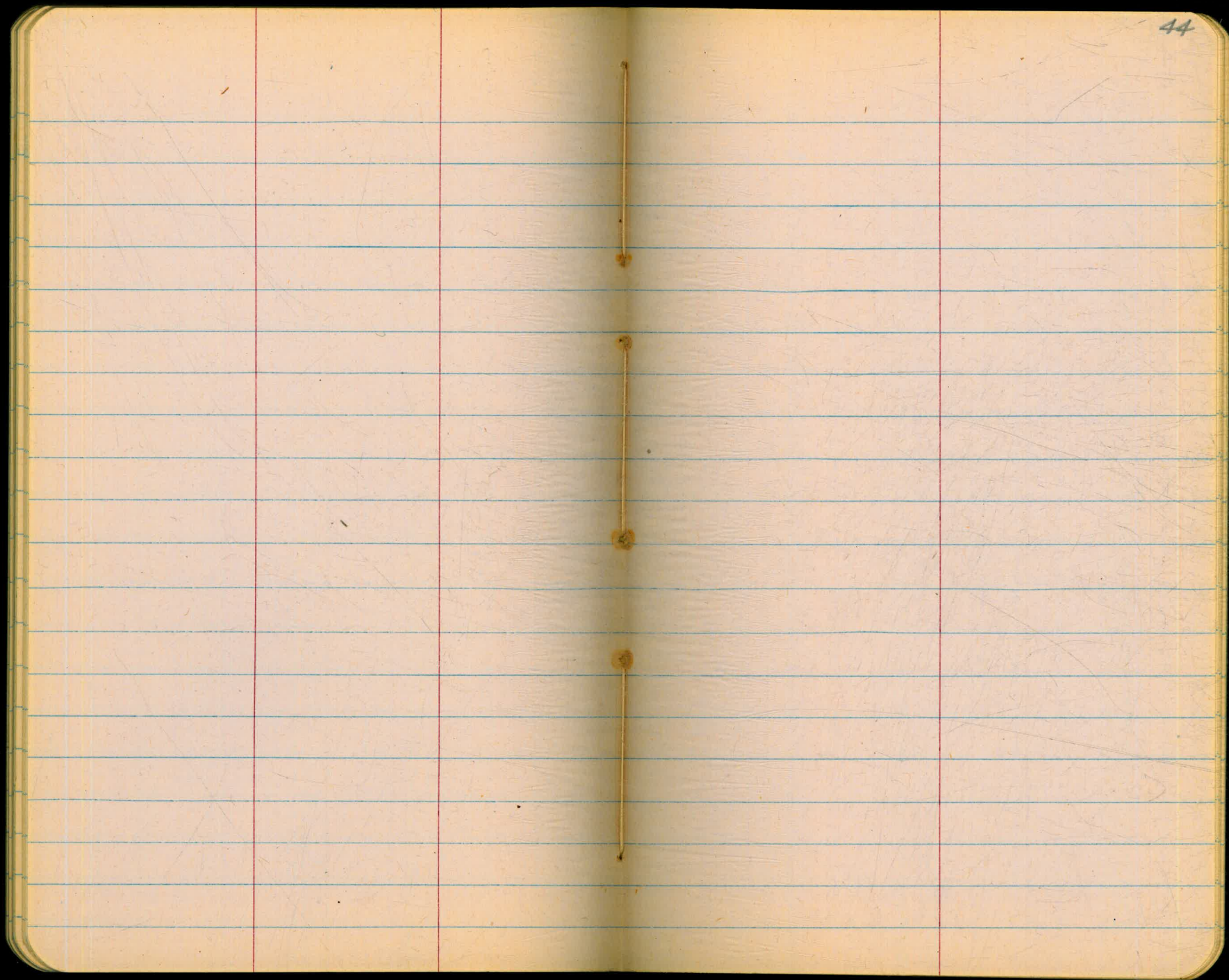


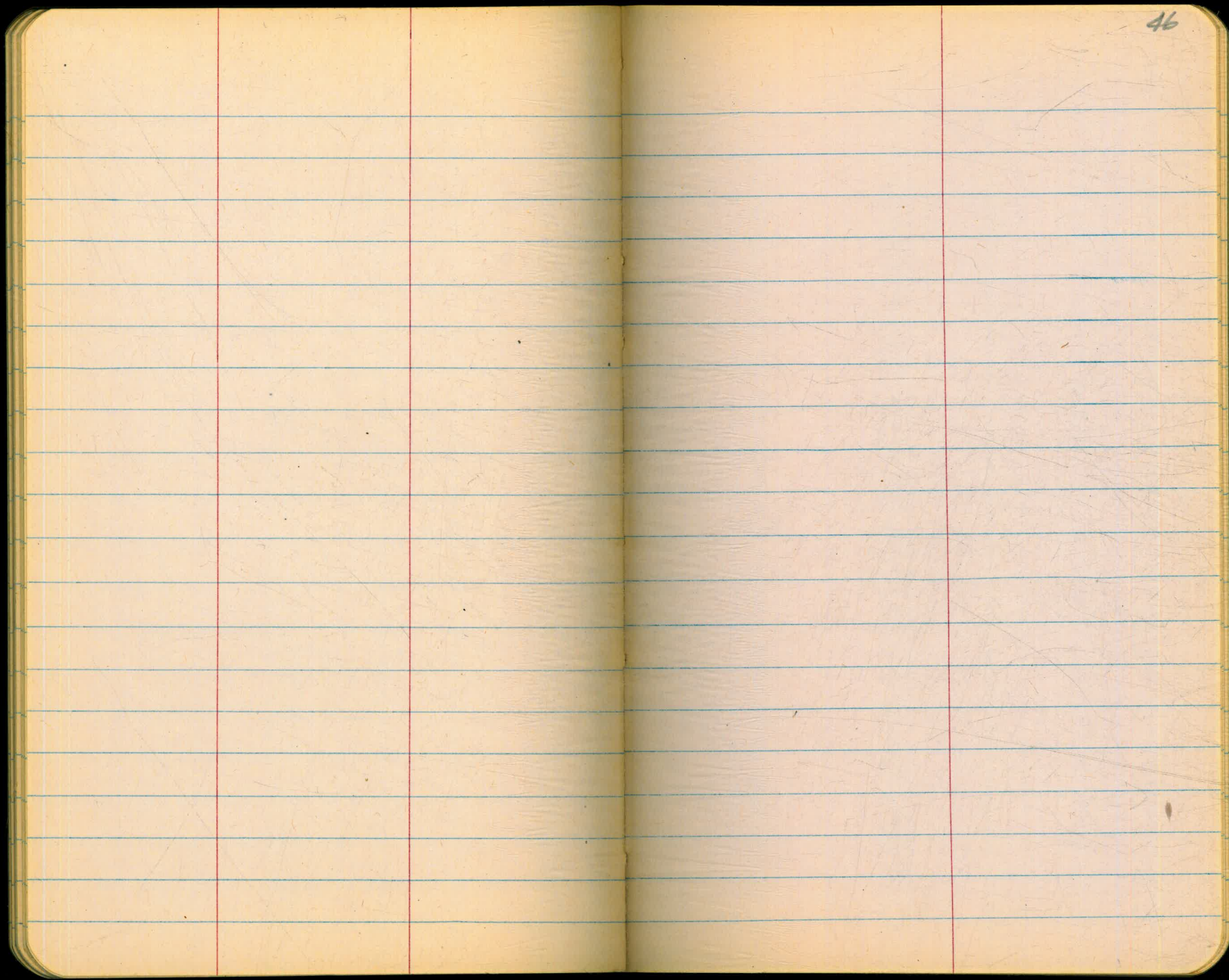


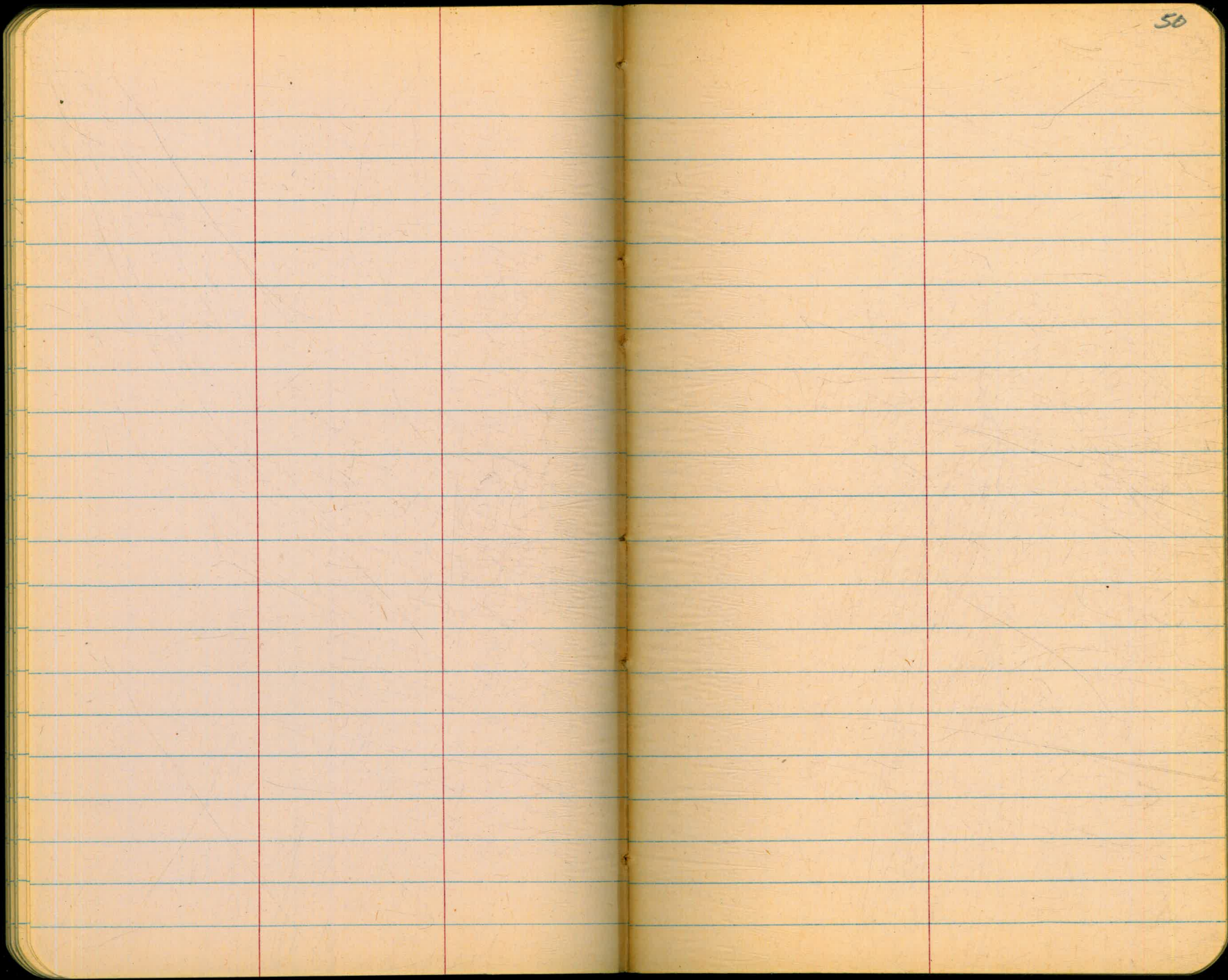


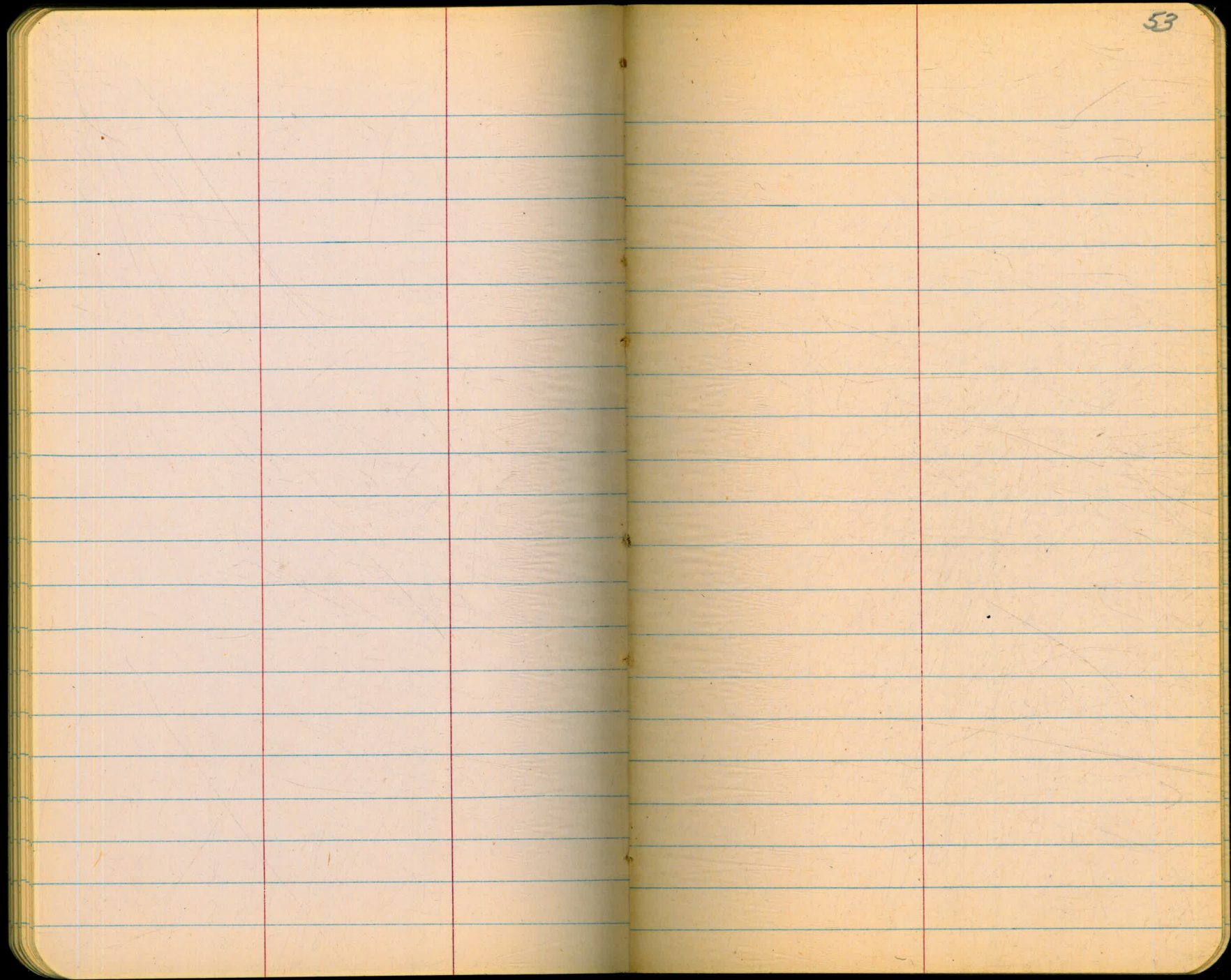


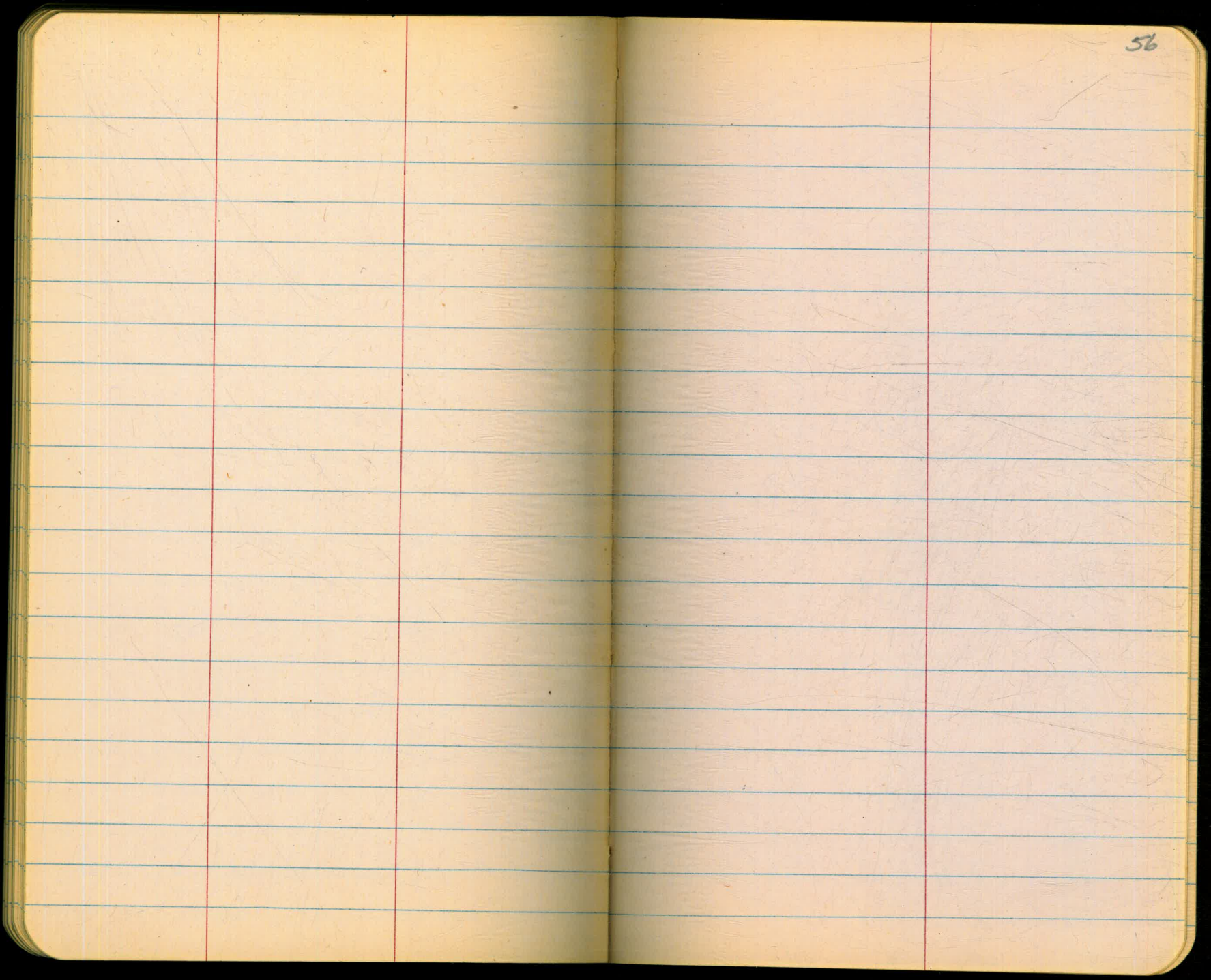


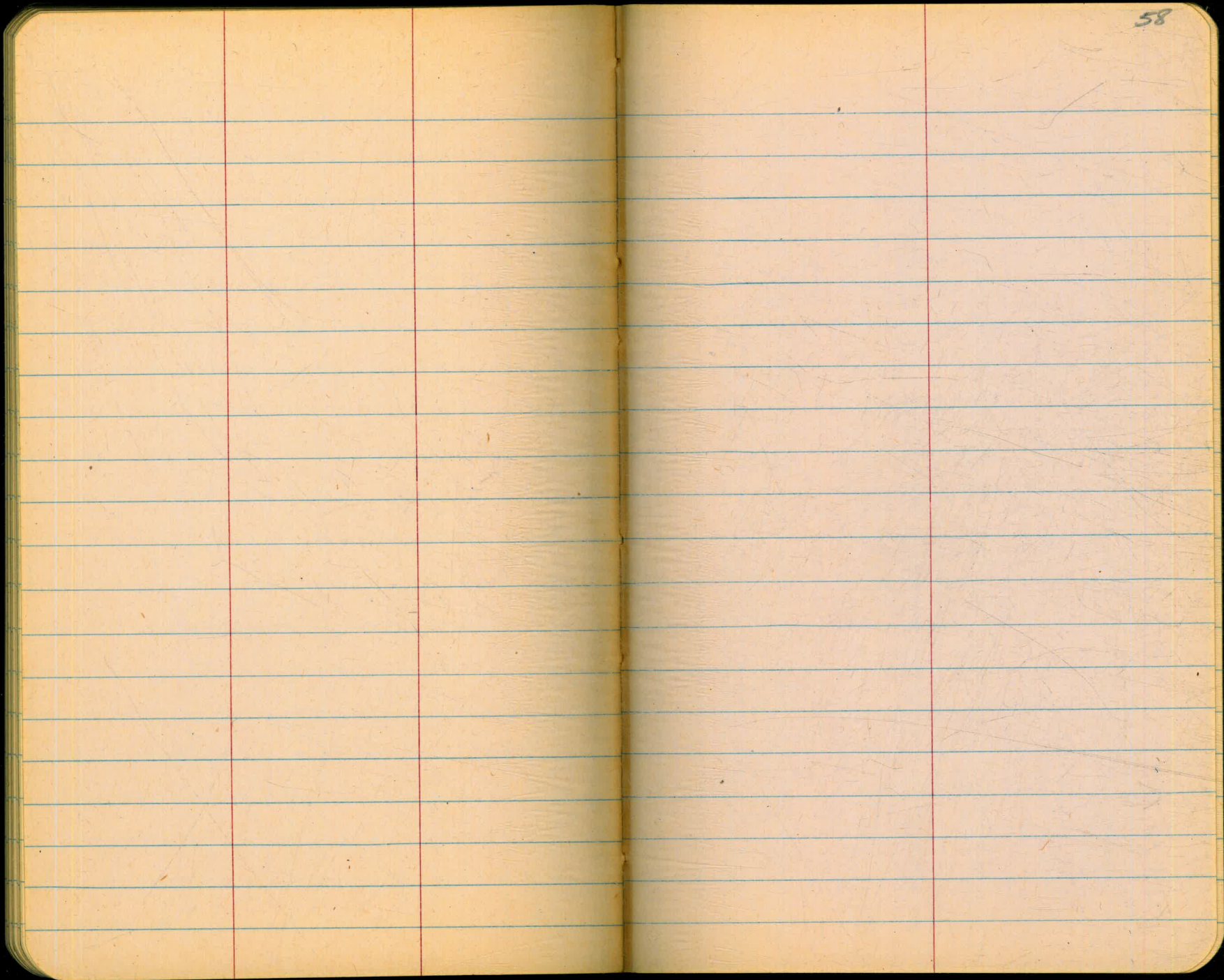


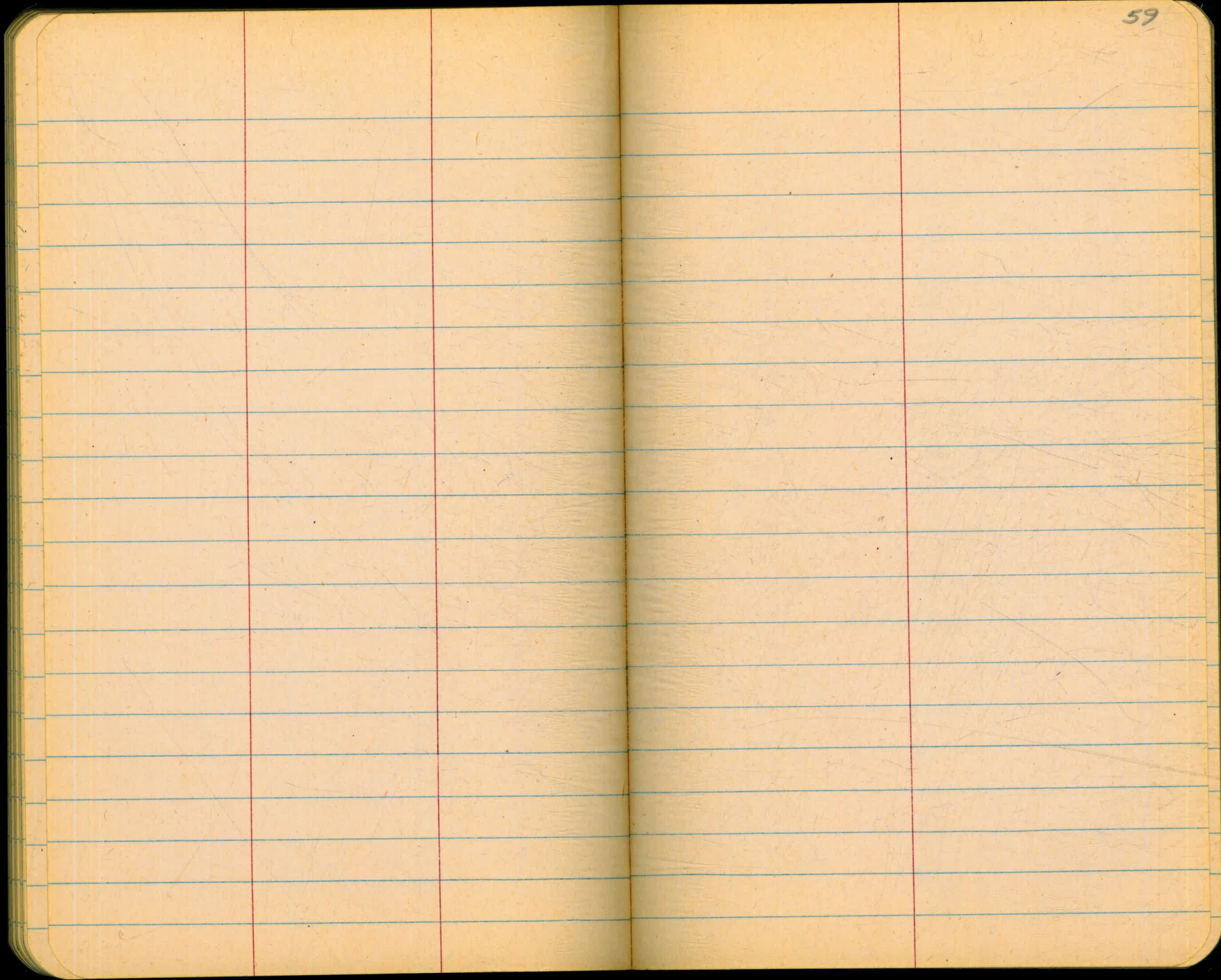


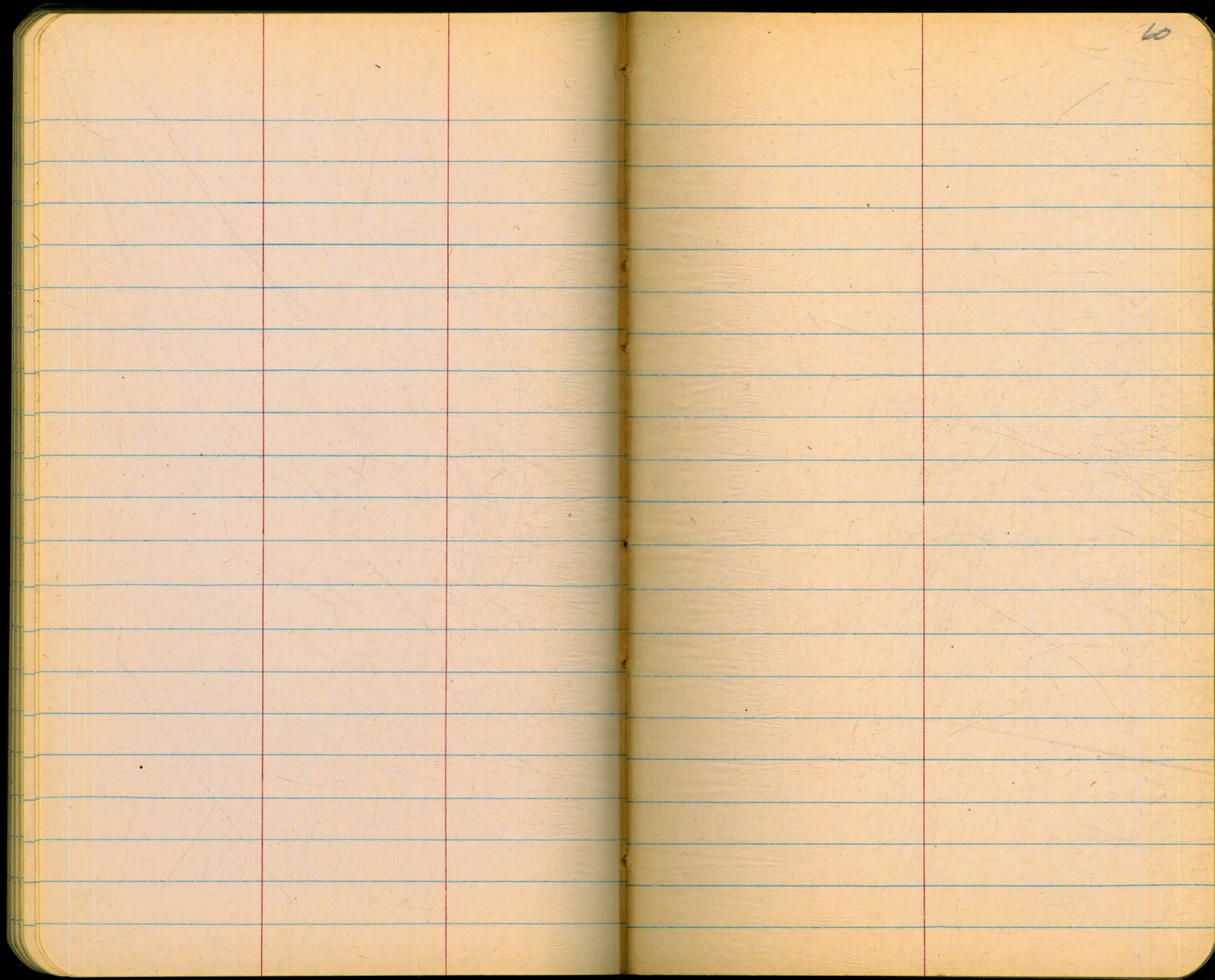




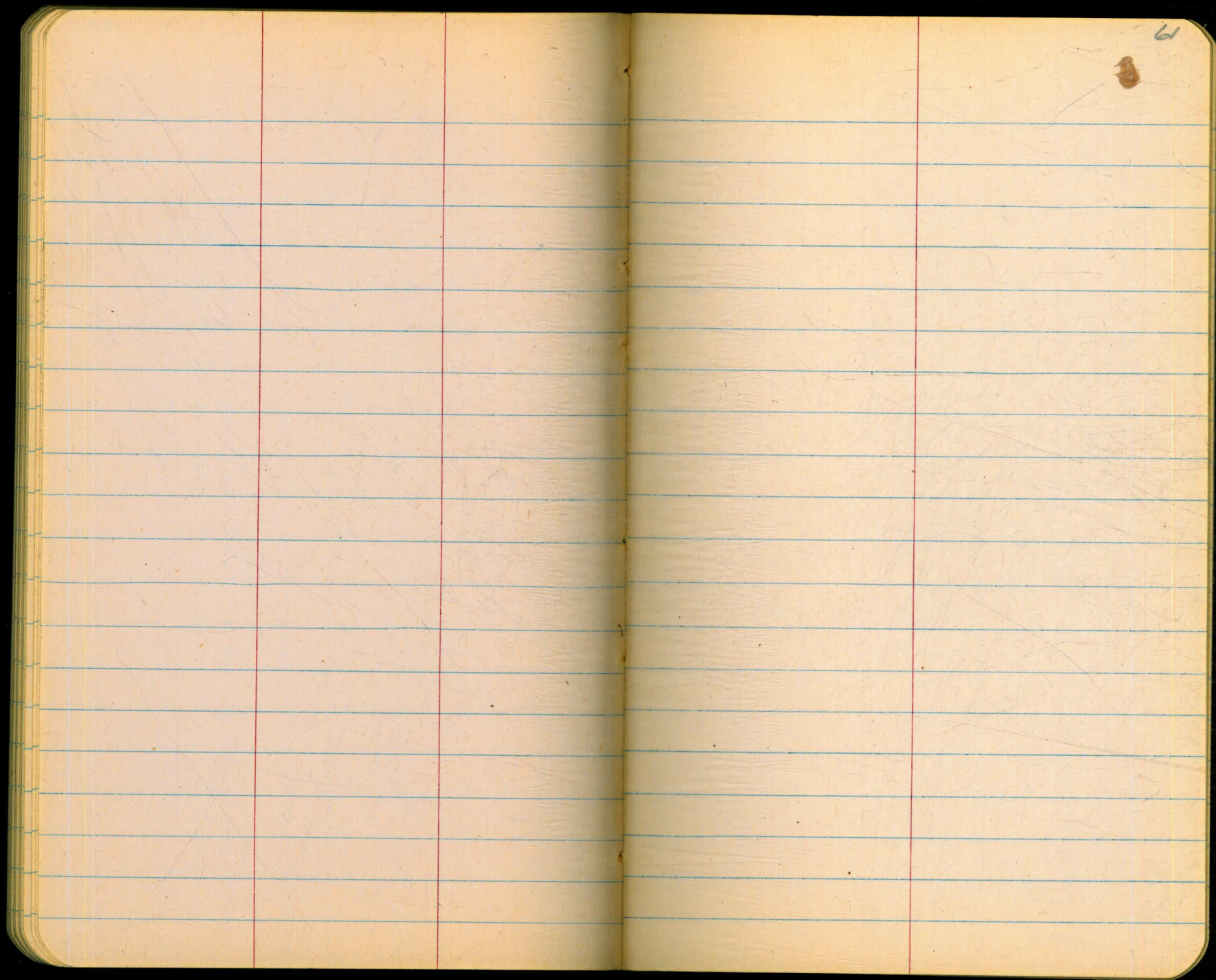


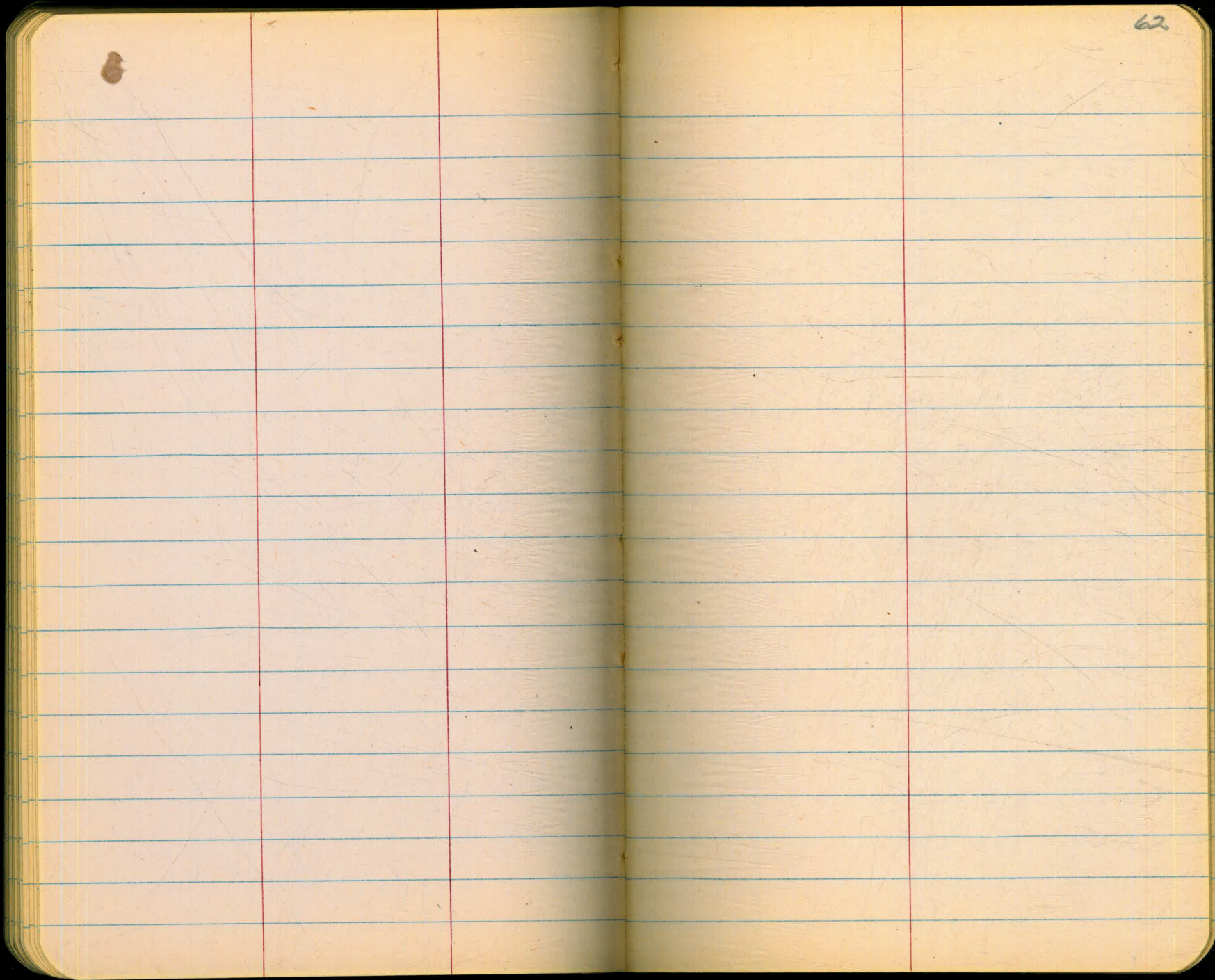


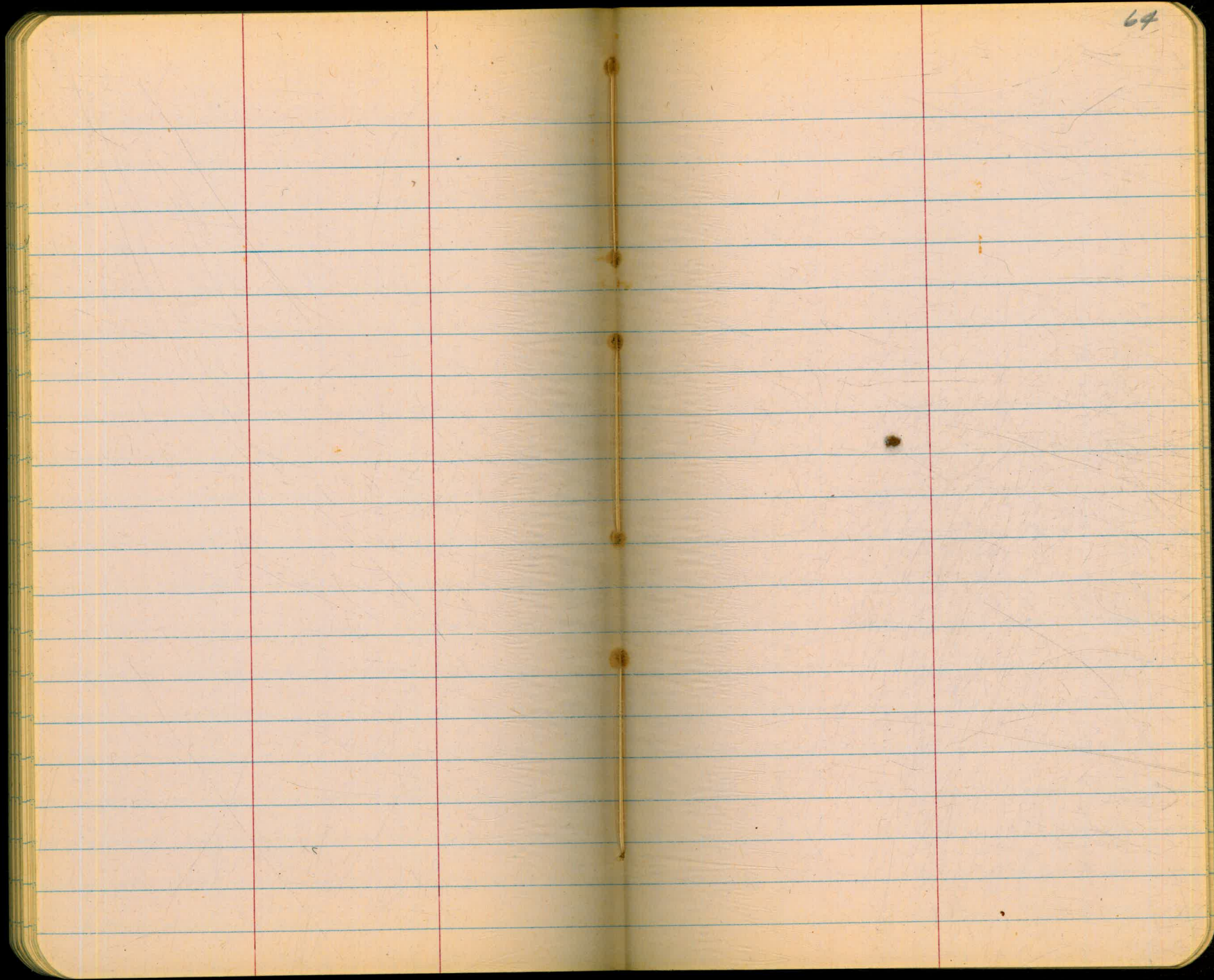


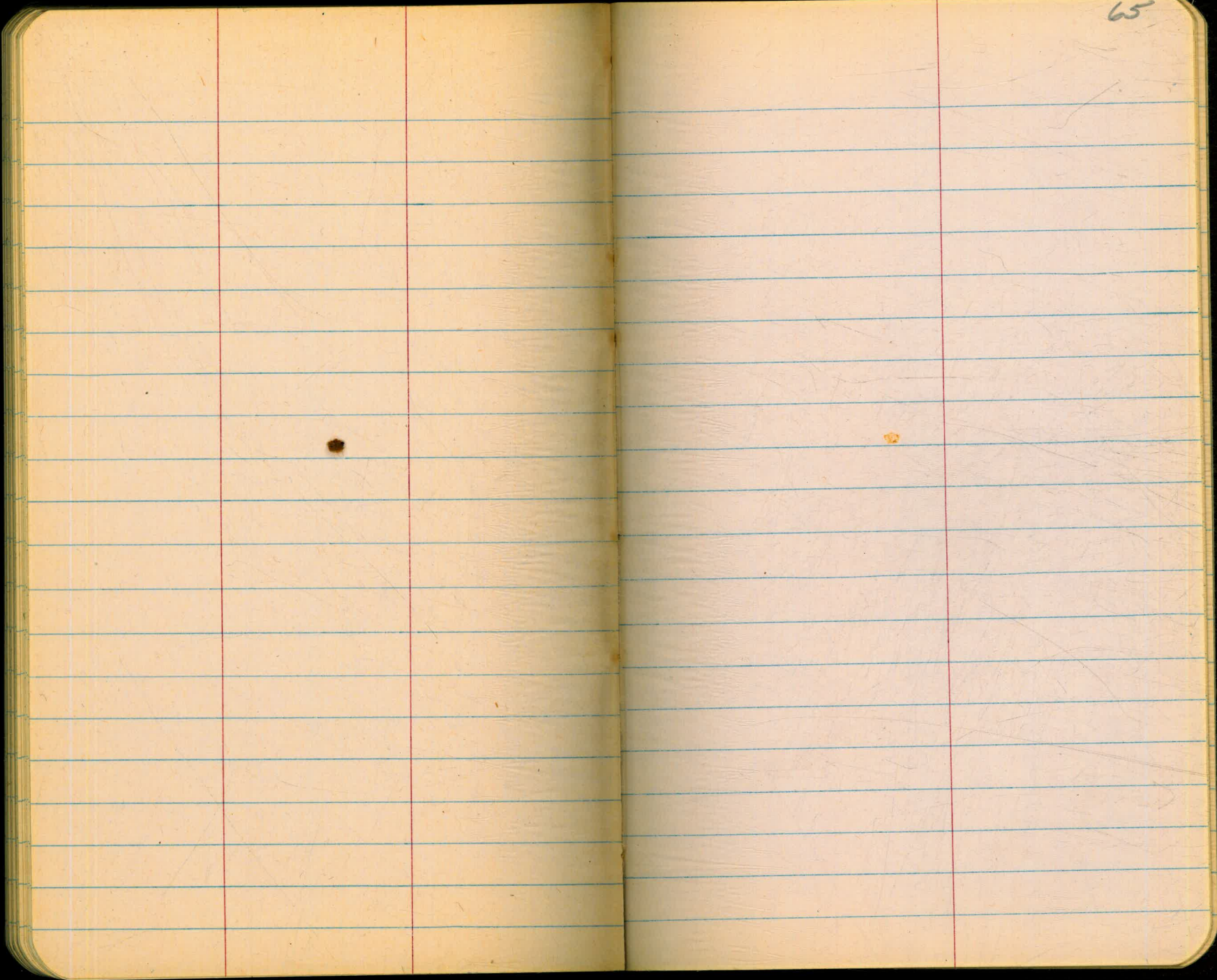


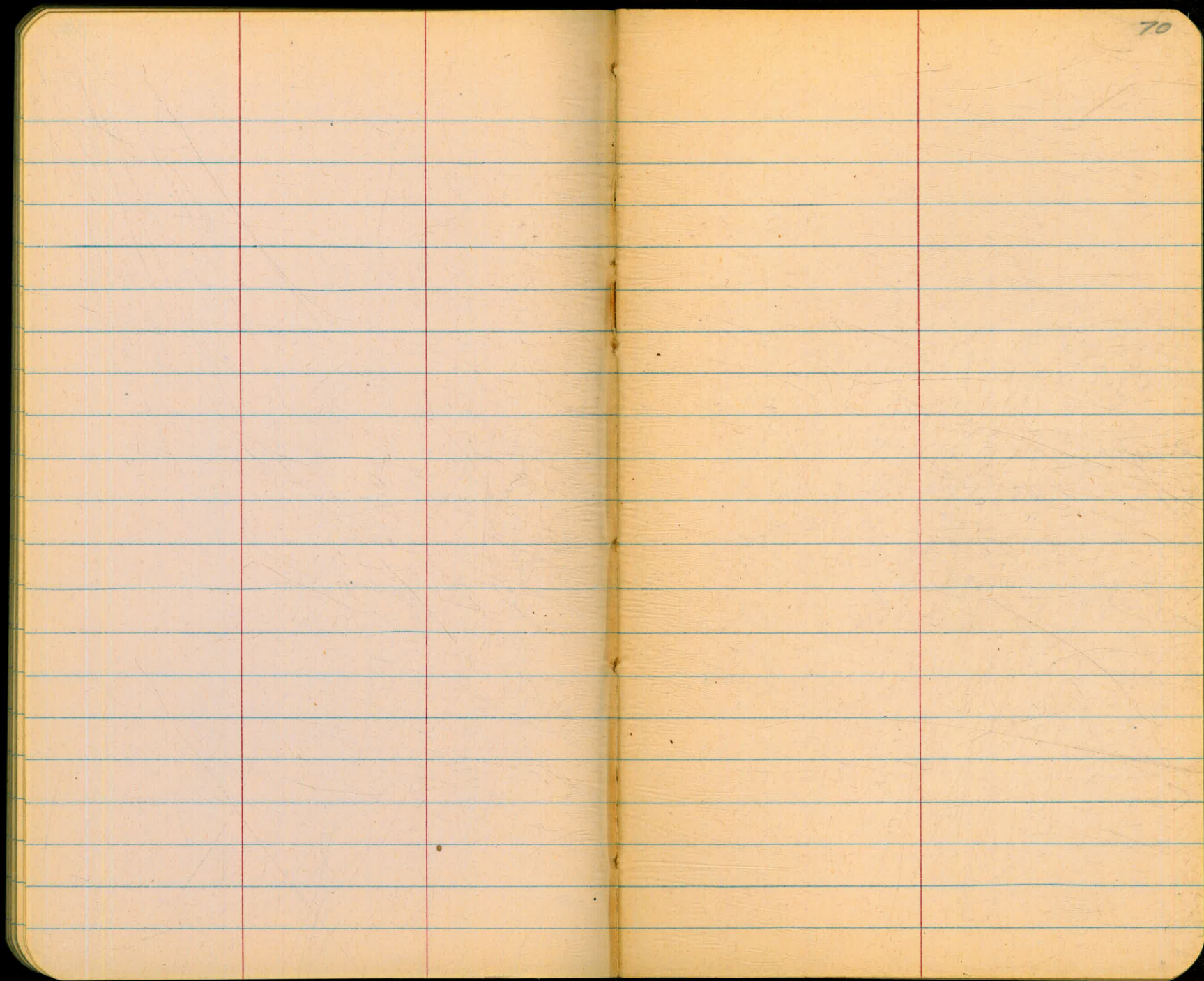
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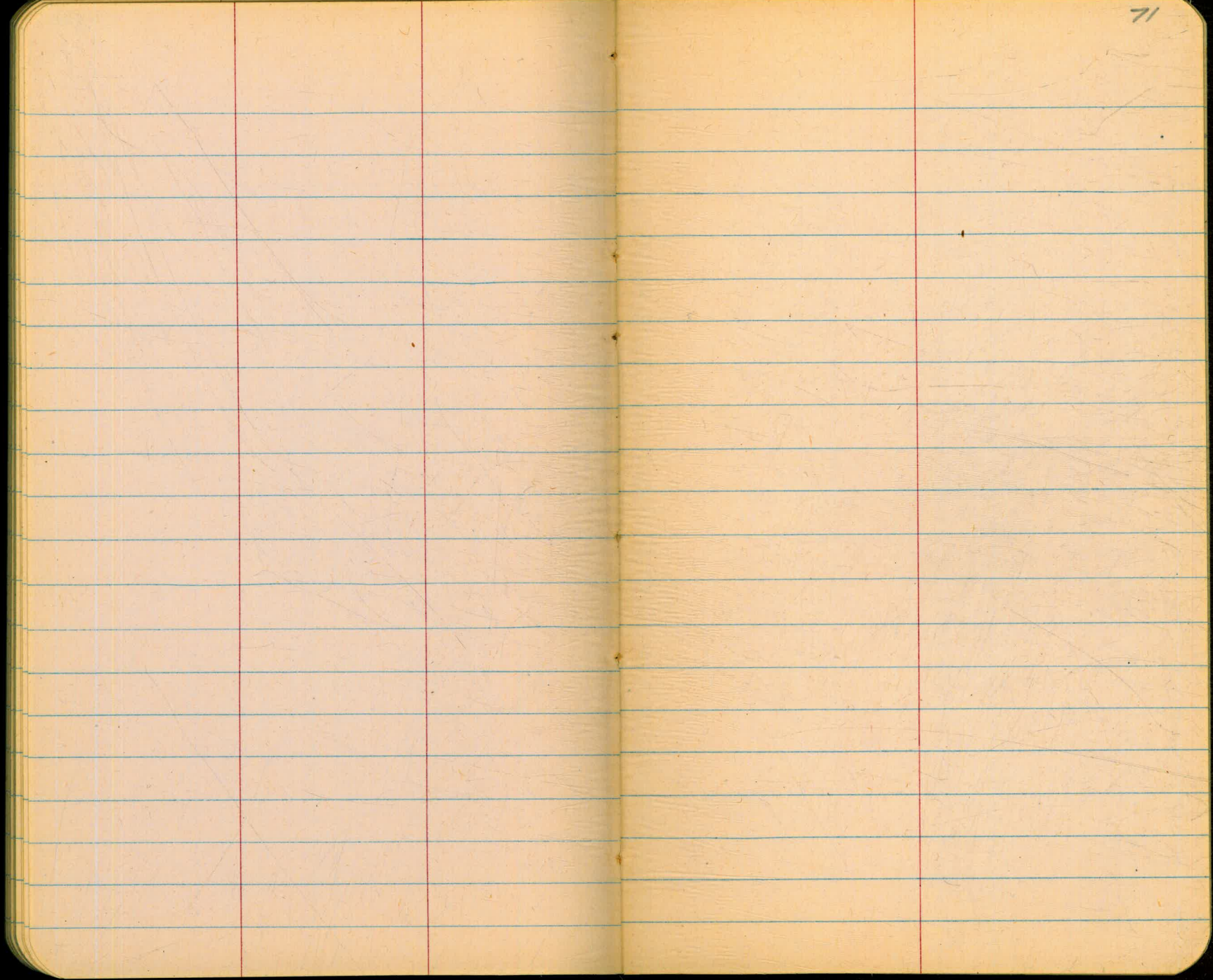


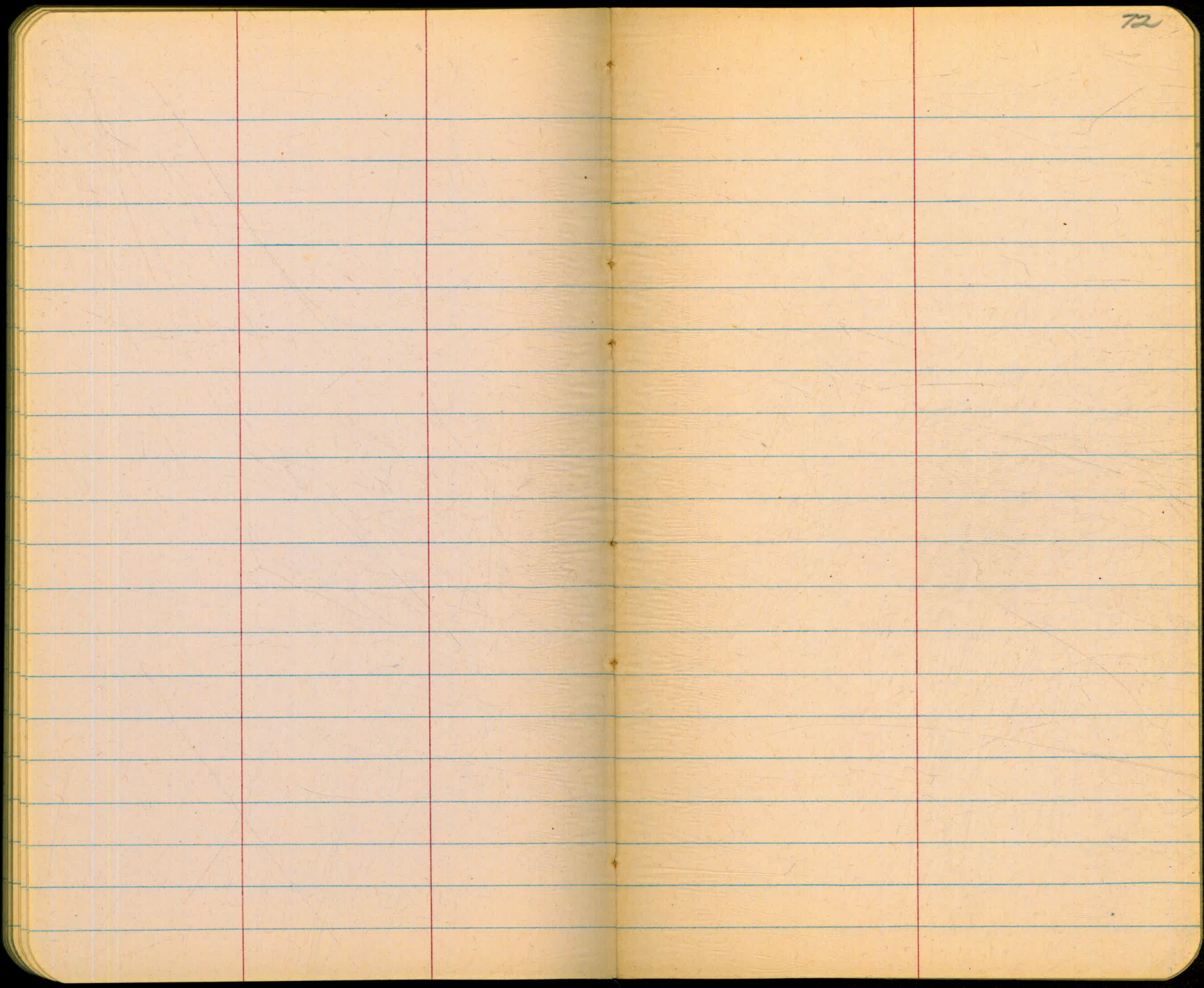


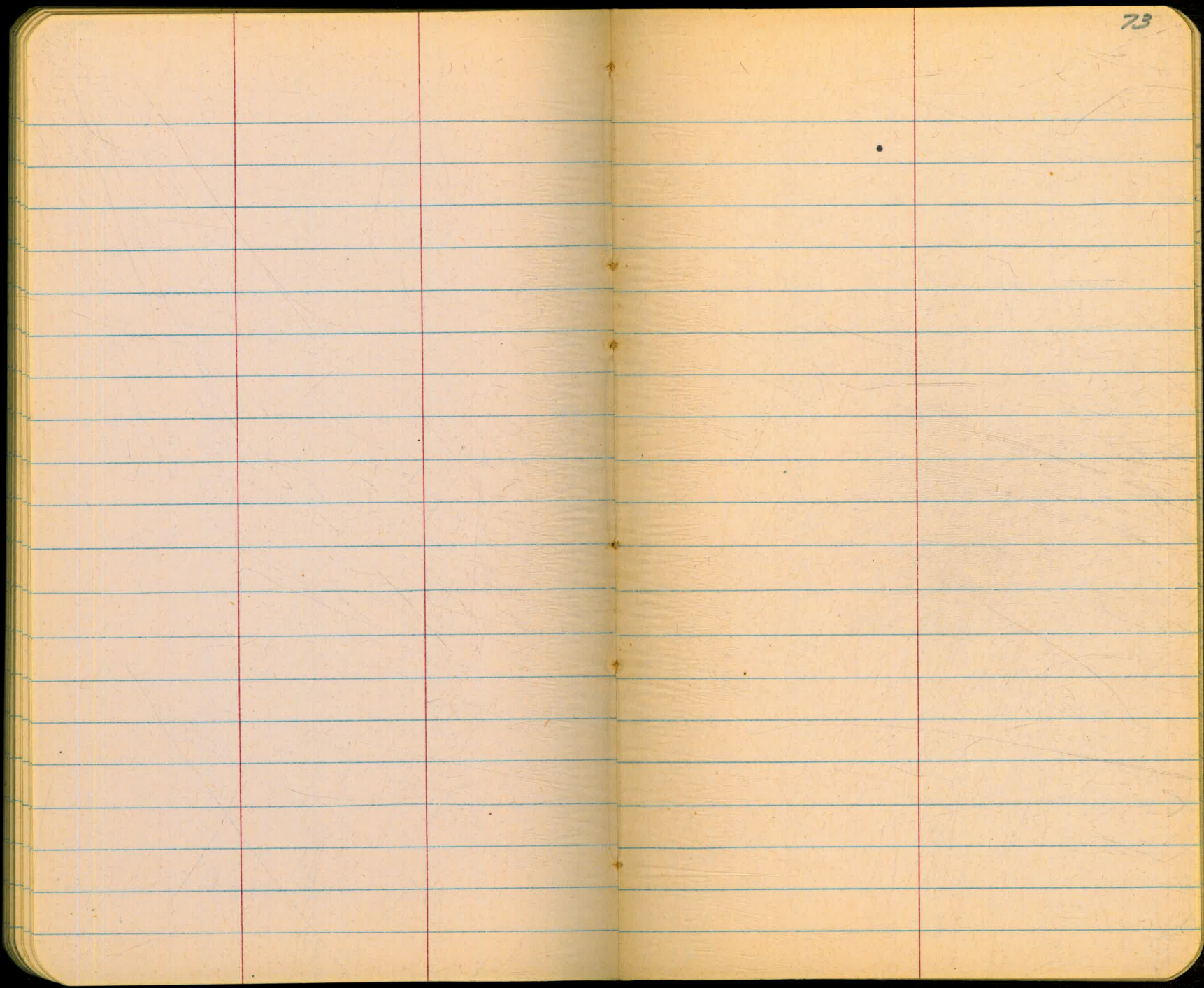


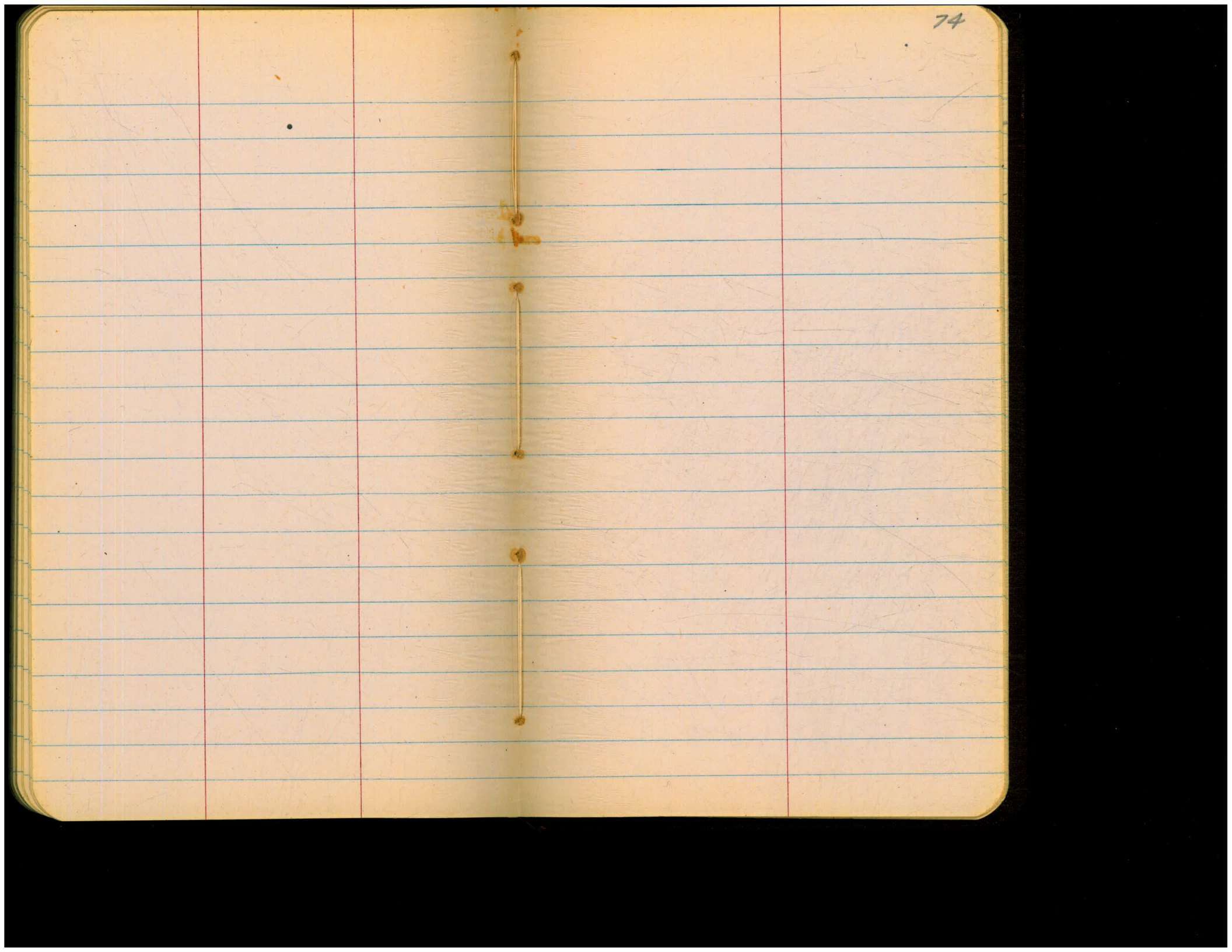


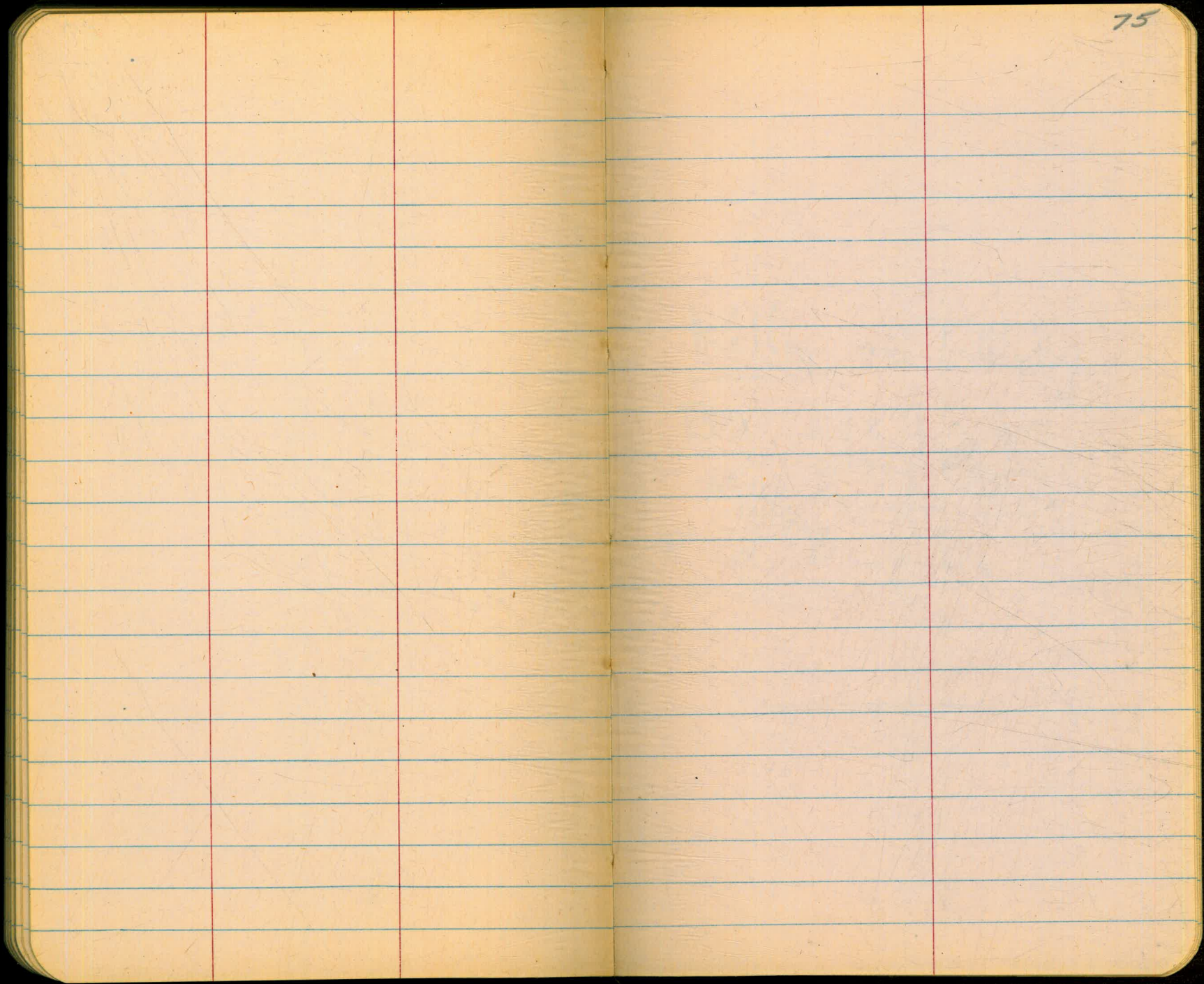


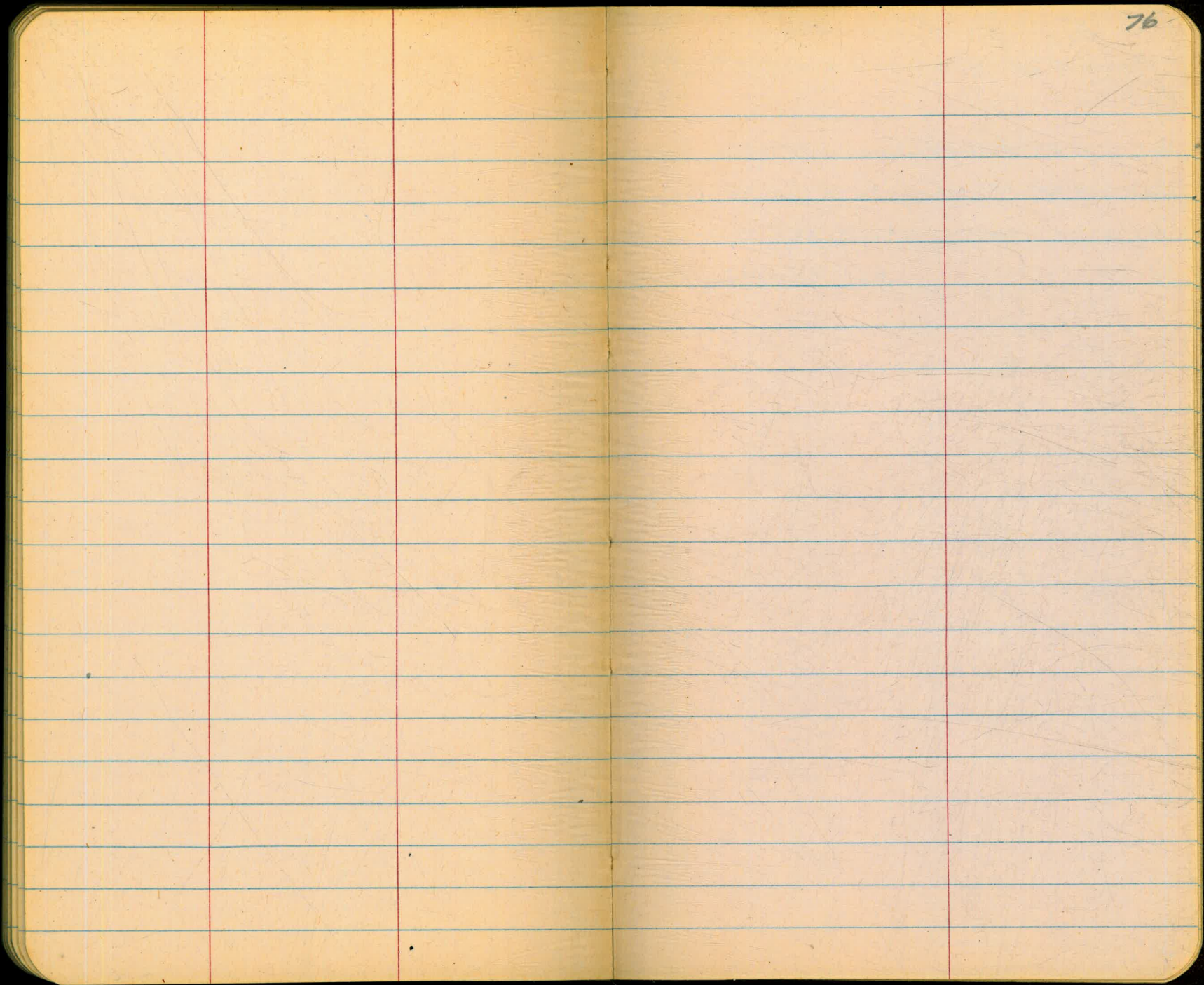












Kelly on Tuttle Eng

BM 585 + 29 ✓

Otago Pipeline

NW Corner Box

E of Bag Dump Sta

Cy 8-6209

ELEVATION OF METER
GAUGE AT HIGHLAND & WIGHTMAN

10-8-57

77

SHOREY
KEMP
SMITH

BM	6.58	353.95		347.37
TBM	3.69	354.04	3.60	350.35
			+1.17	355.21
CK BM		6.68	347.36 =	347.37

NWBP 45TH ST & WIGHTMAN

ON SIDEWALK AT LEFT OF METER GAUGE POST
& METER GAUGE HIGHLAND & WIGHTMAN

SAME AS ABOVE

ELEVATION OF METER
GAUGE AT 54th ST & TROJAN AVE

BM	1.37	362.38		361.01
TP	4.50	357.42	2.46	352.92
TBM	6.67	357.31	6.78	350.4A
			1.92	355.39
TP	8.99	362.37	3.93	353.38
CK. BM			1.35	361.02 = 361.01

Elevation of RECORDER
SE COR. MIDWAY & ROSECRANS

BM	4.16	07.96		03.80
TP	2.03	07.57	2.42	05.54
			1.65	05.92
TBM	5.84	07.42	5.99	01.58
TP	4.95	07.76	4.61	02.81
CK Orig. BM			3.95	03.81 = 03.80

10/8/57

SHOREY
KEMP
SMITH

78

SWBP TROJAN AVE. & SHARRON PLACE
(City Engrs. K-18 Sht. 10)

ON SIDEWALK AT BASE OF METER GAUGE POST
& METER GAUGE AT 54th & TROJAN

SAME AS ABOVE

10-17-57

SHOREY
KEMP
SMITH

SW Mon El Camino DEL Rio & KUERTZ ST.

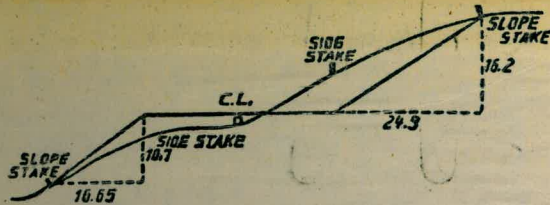
& Recorder gauge

Conc base signal light post.

44TH = 354.71

3.88

+ 1.17



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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