

1024

SURVEY
of
DULZURA & JAMUL CREEKS.

through

RANCHO JAMUL.

See Blk. 879 in City Engineers Office.

LEVEL BOOK

373

KEUFFEL & ESSER CO.

DRAWING MATERIALS
AND
SURVEYING INSTRUMENTS.

NEW YORK.

CHICAGO.

SAN FRANCISCO.

ST. LOUIS.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION.

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	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

40
67.3
89.6

Right of Way from Small

Tract to Babcock Tract.

Course	Dist.	N.	S.	E.	W.	Course	Dist.	N.	S.	E.	W.
N. 42° 15' W. ✓	90.53 ✓	67.01 ✓			60.87 ✓	S. 85° 05' W. ✓	165.00 ✓		14.10 ✓		164.39 ✓
N. 16° 15' W. ✓	100.79 ✓	96.76 ✓			28.20 ✓	S. 39° 50' W. ✓	315. ✓		241.89 ✓		201.77 ✓
N. 70° 45' W. ✓	267.35 ✓	88.14 ✓			252.40 ✓	N. 60° 40' W. ✓	352. ✓	172.44 ✓			306.86 ✓
N. 86° 40' W. ✓	309.55 ✓	18.90 ✓			309.03 ✓	N. 16° 10' W. ✓	200. ✓	192.09 ✓			55.68 ✓
N. 0° 30' E. ✓	208.20 ✓	208.20 ✓		1.82 ✓		N. 36° 10' W. ✓	290. ✓	234.12 ✓			171.14 ✓
N. 11° 30' W. ✓	242.18 ✓	237.32 ✓			48.28 ✓	N. 57° 20' W. ✓	425. ✓	229.39 ✓			357.78 ✓
N. 39° 45' W. ✓	106.37 ✓	81.78 ✓			68.02 ✓	S. 56° 55' W. ✓	390. ✓		212.88 ✓		326.77 ✓
N. 8° 35' W. ✓	276.65 ✓	273.55 ✓			41.28 ✓	N. 89° 00' W. ✓	380.78 ✓	6.64 ✓			380.72 ✓
N. 0° 05' W. ✓	479.71 ✓	479.71 ✓			0.69 ✓	S. 86° 10' W. ✓	716.26 ✓		47.88 ✓		714.66 ✓
N. 25° 05' W. ✓	235.00 ✓	212.84 ✓			99.62 ✓	S. 38° 10' W. ✓	360.10 ✓		283.12 ✓		222.52 ✓
N. 59° 20' W. ✓	164.70 ✓	84.00 ✓			141.67 ✓	S. 65° 50' W. ✓	345.90 ✓		141.61 ✓		315.58 ✓
N. 87° 30' W. ✓	194.09 ✓	8.46 ✓			193.90 ✓	N. 64° 30' W. ✓	535. ✓	230.32 ✓			482.88 ✓
N. 70° 00' W. ✓	158.94 ✓	54.36 ✓			149.35 ✓	S. 76° 20' W. ✓	430. ✓		101.60 ✓		417.82 ✓
N. 18° 18' W. ✓	399.55 ✓	379.34 ✓			125.45 ✓	N. 59° 20' W. ✓	240. ✓	122.41 ✓			206.44 ✓
N. 6° 40' W. ✓	230. ✓	228.44 ✓			26.70 ✓	N. 38° 50' W. ✓	250. ✓	194.74 ✓			156.76 ✓
N. 29° 10' W. ✓	200. ✓	174.64 ✓			99.47 ✓	N. 80° 50' W. ✓	690. ✓	109.92 ✓			681.18 ✓
N. 25° 40' W. ✓	110. ✓	99.15 ✓			47.65 ✓	N. 51° 20' W. ✓	285. ✓	178.06 ✓			222.61 ✓
N. 72° 20' W. ✓	135. ✓	41.34 ✓			128.51 ✓	N. 12° 35' W. ✓	523. ✓	510.44 ✓			113.94 ✓

Course	Dist.	N.	S.	E.	W.
N. 19° 15' W.	670.	632.54			220.89
N. 57° 45' W.	600.	320.16			507.44
N. 46° 05' W.	500.	346.81			360.17
N. 43° 35' W.	429.91	311.42			296.38
N. 12° 35' W.	703.73	686.83			153.31
N. 60° 05' W.	458.62	228.73			397.51
N. 57° 05' W.	489.46	265.98			410.88
N. 72° 05' W.	236.84	72.86			225.35
N. 75° 00' W.	420.	180.70			405.69
S. 83° 30' W.	780.55		88.36		775.53
N. 80° 45' W.	454.18	73.00			448.26
N. 18° 30' W.	527.75	500.48			167.46
N. 1° 15' E.	323.42	323.34		7.05	
N. 46° 15' W.	114.43	79.13			82.66
N. 59° 30' W.	497.60	252.55			428.75
N. 83° 00' W.	287.87	35.08			285.72
S. 67° 30' W.	231.90		88.74		214.25
N. 61° 00' W.	330.46	160.21			289.03
S. 79° 20' W.	587.10		108.66		576.95

Course	Dist.	N.	S.	E.	W.
N. 44° 40' W.	319.87	227.49			224.86
N. 81° 30' W.	546.38	80.76			540.38
S. 64° 45' W.	298.71		127.42		270.17
S. 12° 45' W.	192.2		187.46		42.42
S. 61° 45' W.	425.		201.16		374.37
S. 50° 15' W.	225.		143.87		173.01
N. 83° 15' W.	245.	28.80			243.30
S. 42° 45' W.	430.		315.76		291.88
S. 78° 35' W.	535.50		106.00		524.90
S. 17° 05' W.	363.20		347.17		106.69
S. 68° 05' W.	342.13		127.70		317.40
S. 34° 05' W.	195.85		162.21		109.75
S. 79° 05' W.	231.80		43.90		227.60
S. 46° 05' W.	706.63		490.13		509.02
S. 36° 05' W.	99.70		80.57		58.81
S. 45° 45' W.	500.		348.89		358.15
S. 74° 45' W.	375.		98.64		361.79
S. 16° 45' W.	535.		512.30		154.18
S. 83° 30' W.	370.		41.88		367.62

Courses.	Dist.	N.	S.	E.	W.
N. 88° 15' W. ✓	215. ✓	7.94 ✓			214.90 ✓
S. 41° 15' W. ✓	809.5 ✓		608.61 ✓		533.74 ✓
S. 88° 35' W. ✓	175.5 ✓		4.33 ✓		175.45 ✓
S. 14° 35' W. ✓	650. ✓		629.06 ✓		163.66 ✓
S. 6° 35' W. ✓	310. ✓		307.96 ✓		35.54 ✓
S. 32° 20' W. ✓	295. ✓		249.26 ✓		157.87 ✓
S. 19° 20' W. ✓	245. ✓		231.18 ✓		81.11 ✓
S. 67° 50' W. ✓	320. ✓		120.73 ✓		296.35 ✓
N. 63° 40' W. ✓	286.40 ✓	127.04 ✓			256.68 ✓
S. 36° 30' W. ✓	1141.34 ✓		917.47 ✓		678.89 ✓
S. 83° 40' W. ✓	40.87 ✓		4.51 ✓		40.62 ✓
N. 5° 07' E. ✓	134.48 ✓	133.94 ✓		11.99 ✓	
N. 36° 30' E. ✓	1137.97 ✓	914.77 ✓		676.89 ✓	
S. 63° 40' E. ✓	325. ✓		144.17 ✓	291.27 ✓	
N. 67° 50' E. ✓	229.9 ✓	86.74 ✓		212.91 ✓	
N. 19° 20' E. ✓	211.34 ✓	199.46 ✓		69.97 ✓	
N. 32° 20' E. ✓	283.55 ✓	239.59 ✓		151.65 ✓	
N. 6° 35' E. ✓	294.16 ✓	292.22 ✓		33.72 ✓	
N. 14° 35' E. ✓	732.35 ✓	708.75 ✓		184.40 ✓	

Course.	Dist.	N.	S.	E.	W.
N. 88° 35' E. ✓	207.02 ✓	5.12 ✓			206.96 ✓
N. 41° 15' E. ✓	812.83 ✓	611.12 ✓			535.94 ✓
S. 88° 15' E. ✓	254.96 ✓		7.79 ✓		254.84 ✓
N. 83° 30' E. ✓	296.95 ✓	33.61 ✓			295.04 ✓
N. 16° 45' E. ✓	524.58 ✓	502.32 ✓			151.18 ✓
N. 74° 45' E. ✓	404.57 ✓	106.41 ✓			390.32 ✓
N. 45° 45' E. ✓	465.70 ✓	324.96 ✓			333.58 ✓
N. 36° 05' E. ✓	100. ✓	80.81 ✓			58.98 ✓
N. 46° 05' W. ✓	745. ✓	516.74 ✓			536.66 ✓
N. 79° 05' E. ✓	220. ✓	41.66 ✓			216.02 ✓
N. 34° 05' E. ✓	185. ✓	153.22 ✓			103.67 ✓
N. 68° 05' E. ✓	325. ✓	121.31 ✓			301.51 ✓
N. 17° 05' E. ✓	375. ✓	358.45 ✓			110.16 ✓
N. 78° 35' E. ✓	562.16 ✓	111.27 ✓			551.03 ✓
N. 42° 45' E. ✓	448.62 ✓	329.43 ✓			304.52 ✓
S. 83° 15' E. ✓	253. ✓		29.74 ✓		251.25 ✓
N. 50° 15' E. ✓	192.11 ✓	122.84 ✓			147.70 ✓
N. 61° 45' E. ✓	389.50 ✓	184.36 ✓			343.11 ✓
N. 12° 45' E. ✓	195.40 ✓	190.58 ✓			43.12 ✓

Course.	Dist.	N.	S.	E.	W.
N. 64° 45' E.	377.8 ✓	161.16 ✓		341.70 ✓	
S. 81° 30' E.	610. ✓		90.16 ✓	603.3 ✓	
S. 44° 40' E.	300. ✓		213.36 ✓	210.89 ✓	
N. 79° 20' E.	570. ✓	105.50 ✓		560.15 ✓	
S. 61° 00' E.	318.3 ✓		154.32 ✓	278.39 ✓	
N. 67° 30' E.	210. ✓	80.36 ✓		194.01 ✓	
S. 83° 00' E.	335. ✓		40.83 ✓	332.5 ✓	
S. 59° 30' E.	530. ✓		269.00 ✓	456.66 ✓	
S. 46° 15' E.	170. ✓		117.56 ✓	122.80 ✓	
S. 1° 15' W.	350. ✓		349.92 ✓		7.63 ✓
S. 18° 30' E.	450. ✓		426.75 ✓	142.79 ✓	
S. 80° 45' E.	380. ✓		61.08 ✓	375.06 ✓	
N. 83° 30' E.	785.70 ✓	88.94 ✓		780.65 ✓	
S. 75° 00' E.	441.52 ✓		114.27 ✓	426.48 ✓	
S. 72° 05' E.	252.62 ✓		77.71 ✓	240.37 ✓	
S. 57° 05' E.	500. ✓		271.71 ✓	419.73 ✓	
S. 60° 05' E.	500. ✓		249.37 ✓	433.38 ✓	
S. 12° 35' E.	720. ✓		702.70 ✓	156.86 ✓	
S. 43° 35' E.	400. ✓		289.75 ✓	275.76 ✓	

Course.	Dist.	N.	S.	E.	W.
S. 46° 05' E.	487.60 ✓			338.2 ✓	351.24 ✓
S. 57° 45' E.	624.70 ✓			333.35 ✓	528.33 ✓
S. 19° 15' E.	710.74 ✓			671.00 ✓	234.32 ✓
S. 12° 35' E.	493.67 ✓			481.81 ✓	107.55 ✓
S. 51° 20' E.	223.52 ✓			139.65 ✓	174.52 ✓
S. 80° 50' E.	702.06 ✓			111.85 ✓	693.09 ✓
S. 38° 50' E.	270.31 ✓			210.56 ✓	169.50 ✓
S. 59° 20' E.	181.78 ✓			92.41 ✓	155.84 ✓
N. 76° 20' E.	424.84 ✓	100.38 ✓			412.81 ✓
S. 64° 30' E.	524.30 ✓			225.72 ✓	473.23 ✓
N. 65° 50' E.	275. ✓	112.59 ✓			250.9 ✓
N. 38° 10' E.	380. ✓	298.76 ✓			234.82 ✓
N. 86° 10' E.	765. ✓	51.14 ✓			763.29 ✓
S. 89° 00' E.	354.36 ✓			6.18 ✓	354.30 ✓
N. 56° 55' E.	423.97 ✓	231.33 ✓			355.24 ✓
S. 57° 20' E.	508.30 ✓			274.35 ✓	427.90 ✓
S. 36° 10' E.	326.30 ✓			263.42 ✓	192.56 ✓
S. 16° 10' E.	176.72 ✓			169.73 ✓	49.20 ✓
S. 60° 40' E.	227.92 ✓			111.66 ✓	198.70 ✓

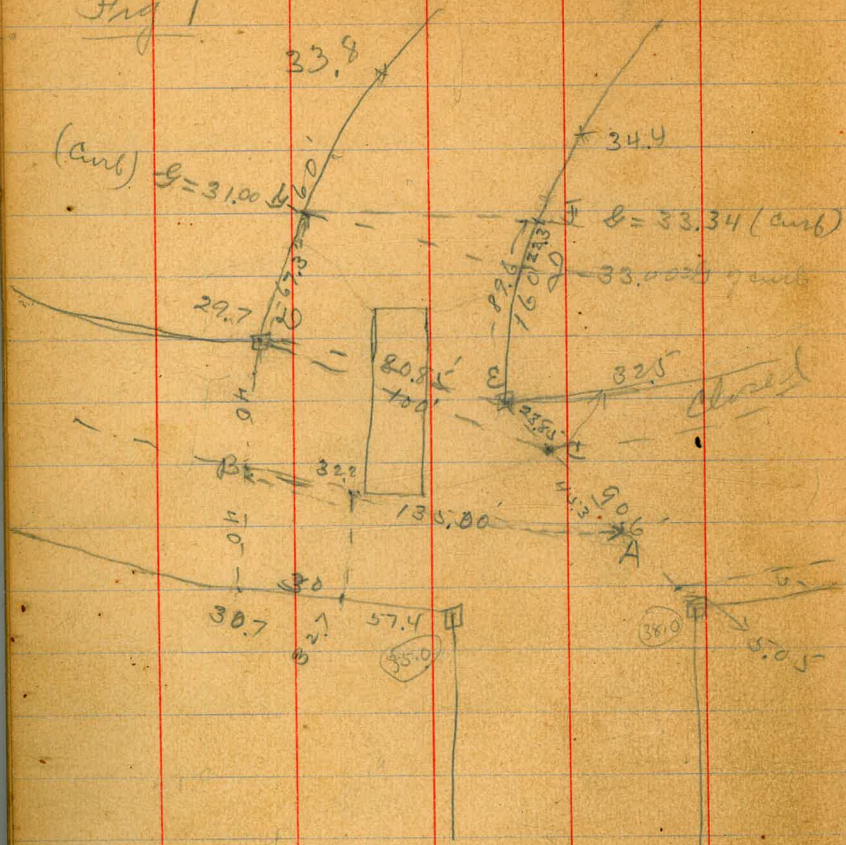
Right of Way from Small					
Course	Dist.	N.	S.	E.	W.
N. 39° 50' E.	273.49 ✓	210.02 ✓		175.19 ✓	
N. 85° 05' E.	226.76 ✓	19.43 ✓		225.92 ✓	
S. 72° 10' E.	198.06 ✓		60.66 ✓	188.54 ✓	
S. 25° 46' E.	149.91 ✓		135.12 ✓	64.93 ✓	
S. 29° 10' E.	216.84 ✓		189.35 ✓	105.68 ✓	
S. 6° 46' E.	231.36 ✓		229.80 ✓	26.86 ✓	
S. 18° 18' E.	352.57 ✓		334.74 ✓	110.72 ✓	
S. 70° 00' E.	95.10 ✓		37.52 ✓	89.36 ✓	
S. 87° 30' E.	203.8 ✓		8.90 ✓	203.61 ✓	
S. 59° 20' E.	220.59 ✓		112.51 ✓	189.74 ✓	
S. 25° 05' E.	287.97 ✓		260.81 ✓	122.08 ✓	
S. 0° 05' E.	494.45 ✓		494.45 ✓	0.72 ✓	
S. 8° 35' E.	241.35 ✓		238.65 ✓	36.02 ✓	
S. 39° 45' E.	103.63 ✓		79.67 ✓	66.27 ✓	
S. 11° 30' E.	277.82 ✓		272.74 ✓	55.39 ✓	
S. 0° 30' W.	123.8 ✓		123.8 ✓		1.08 ✓
S. 86° 30' E.	228.45 ✓		13.95 ✓	228.03 ✓	
S. 70° 45' E.	332.65 ✓		109.67 ✓	314.05 ✓	
S. 16° 15' E.	45.01 ✓		43.21 ✓	12.03 ✓	

Tract to Babcock Tract.					
Course	Dist.	N.	S.	E.	W.
S. 1° 29' W.	198.03 ✓			187.97 ✓	5.13 ✓

Course	Right of Way from				Babcock Tract		West.				
	Dist.	N.	S.	E.	N.	Dist.	N.	S.	E.	N.	
S. 59° 12' W.	86.72		44.40		74.49	N. 77° 50' W.	114.53	24.14			111.96
N. 85° 40' W.	535.00	40.43			533.47	N. 82° 45' W.	527.51	66.57			523.30
S. 42° 30' W.	480.00		353.89		324.28	N. 83° 50' W.	337.46	36.25			335.51
S. 55° 00' W.	385.00		220.83		315.37	S. 67° 37' W.	610.60		232.50		564.47
S. 75° 40' W.	900.00		222.81		871.98	S. 49° 24' W.	570.19		371.06		432.93
S. 80° 40' W.	300.		48.65		296.03	S. 43° 08' W.	275.72		201.21		188.51
S. 42° 50' W.	355.		260.07		241.62	S. 25° 47' W.	142.51		128.32		62.00
S. 30° 00' E.	365		316.10	182.50		S. 8° 44' W.	282.97		279.69		42.97
N. 81° 00' W.	180.	28.16			177.78	S. 20° 17' W.	266.12		249.62		92.25
N. 46° 30' W.	311.	214.08			225.59	S. 53° 13' E.	104.30		62.45	83.53	
N. 81° 30' W.	374.	55.28			369.89	N. 20° 17' E.	305.8	286.84		106.01	
S. 51° 10' W.	675.		423.26		525.80	N. 8° 44' E.	278.10	274.84		42.21	
S. 57° 00' W.	580.		315.89		486.43	N. 25° 47' E.	112.3	101.12		48.85	
S. 17° 00' W.	595.		569.00		173.96	N. 43° 08' E.	255.0	186.09		174.34	
S. 2° 40' W.	785.		784.15		36.52	N. 49° 24' E.	548.7	357.07		416.61	
S. 40° 50' W.	879.29		665.28		574.93	N. 67° 37' E.	569.15	216.73		526.27	
S. 69° 40' W.	532.84		185.15		499.64	S. 83° 50' E.	311.10		33.42	309.3	
S. 27° 30' W.	693.55		615.19		320.25	S. 82° 45' E.	522.3		65.91	518.12	
S. 63° 50' W.	620.25		273.52		556.69	S. 77° 50' E.	145.0		30.56	141.74	

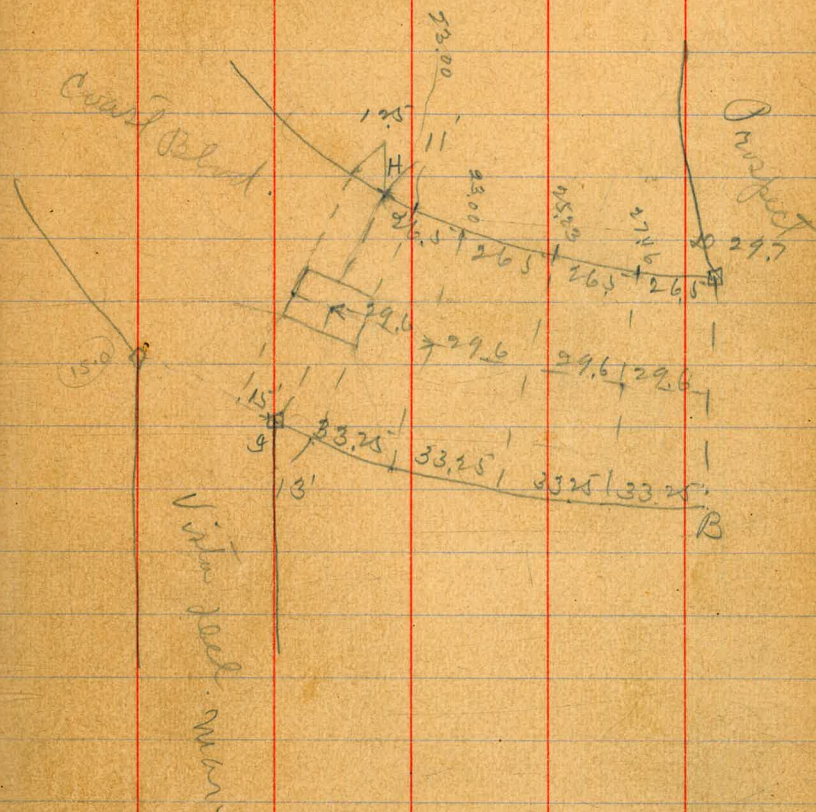
Course	Dist	N.	S.	E.	W.
N. 63° 50' E.	687.81	303.31		617.32	
N. 27° 30' E.	687.81	610.09		317.60	
N. 69° 40' E.	520.	180.69		487.60	
N. 40° 50' E.	939.60	710.91		614.37	
N. 2° 40' E.	807.03	806.16		37.55	
N. 17° 00' E.	546.03	522.17		159.64	
N. 57° 00' E.	548.70	298.84		460.18	
N. 51° 10' E.	636.27	398.98		495.63	
S. 81° 30' E.	798.64		44.14	795.36	
S. 46° 30' E.	310.52		213.75	225.24	
S. 81° 00' E.	420.70		65.81	415.52	

Fig 1

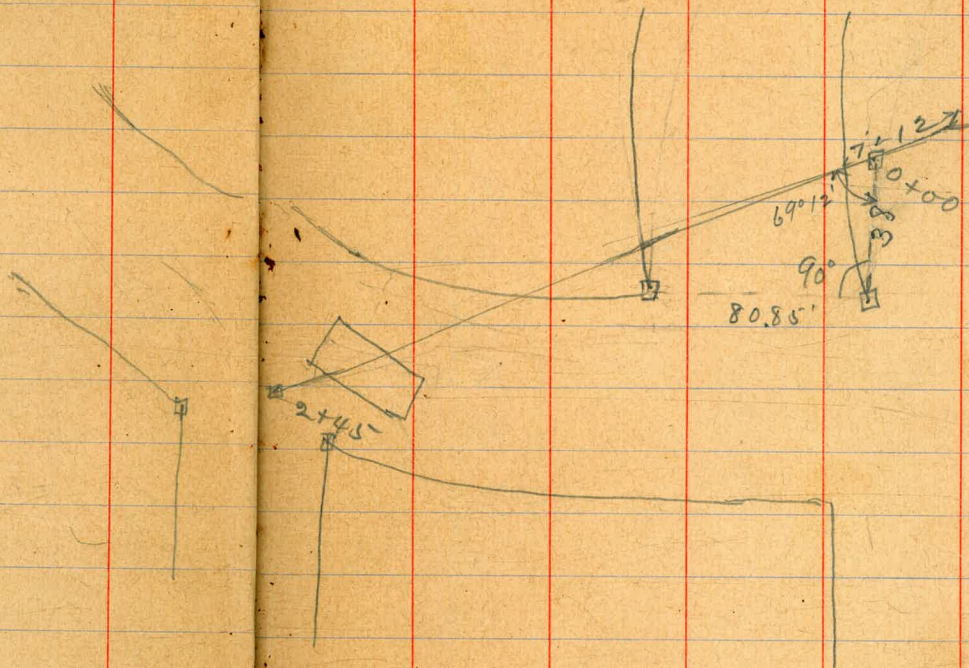


Dec. 28 / 17 Schields
Evans
Mackilwane

Fig 2



20
culvert



2575

0-12		4.5	21.3
0+00	Incl. Prop. line	5.56	20.9
+07		5.7	20.1
+10		5.8	20.0
+14		3.0	22.8
+50	^{16.1} 25.72	5.3	20.6
1+00		7.0	18.9
+50		9.4	16.5
+87		10.6	15.3
+90		12.3	13.6
2+00		13.3	12.6
2+45		15.9	10.0

levels for culvert.

11

X sect. Prospect Pt.
 89.6 no. H.I. of no. line

Center Coast Blocks to

12

J.P. 11.00 36.75 25.75

no. curbs.

sect A, B, Center Coast Blvd.

E line

3.7 33.1

E line

1.2 35.6

4.4 32.4

+ 27

10.0 26.8

2.4 34.4

5.2 31.6

3.2 33.6

C

5.5 31.3

C

4.2 32.6

5.8 31.0

4.7 32.1

11.3 25.5

v

4.7 32.1

White

16.0 20.8

White

6.2 30.6

no line Coast Blvd.

no. 14

E line

4.0 32.8

White

9.2 27.6

6.0 30.8

5.5 31.3

C

5.3 31.5

4.2 32.6

3.9 32.9

E line

3.1 33.7

Sect G, F.

36.75

Elms	4.3	32.5
+4	3.2	33.6
	3.5	33.3
gutter	4.6	32.2
	4.4	32.4
C	4.8	32.0
	5.6	31.2
gutter	6.5	30.3
cement curb.	5.76	30.99
White	5.9	30.9

Sect G, G

White	5.9	30.9
	5.8	31.0
	5.7	31.1
C	5.0	31.8
	4.7	32.1
	4.4	32.4
+5'	4.4	32.4
Elms	9.8	27.0

18

55' no sect 20 E.

Elms	14.8	27.0
	7.2	29.6
+5'	5.3	31.5
	5.2	31.6
C	5.5	31.3
	6.1	30.7
	6.4	30.4
White	6.9	29.9
	38' no.	
White	15.0	21.8
	12.8	24.0
	8.0	28.8
C	6.0	30.8
	5.9	30.9
+5'	6.3	30.5
+5'	14.6	22.2
Elms	12.4	24.4

25.25

25' no. 20E

J.P. 2.90 ^{14-D.} 25.75 3.07 2285

Sect. C. 10 July 1

W. line	7.7	18.1
+ 8'	9.9	15.9
	7.4	18.4
	8.9	16.9
C	7.8	18.0
	7.0	18.8
E. cb.	1.4	24.4

W. line

5.0 20.8

5.6 20.2

5.6 20.2

C

4.9 20.9

4.4 21.4

4.3 21.5

+ 9'
+ 10'
E line

4.6 21.2

4.6 19.2

5.5 20.3

15E slope.

4.9 20.9

Sect 20E,

E line	6.0	19.8
	6.6	19.2
	5.6	20.2
C	6.4	19.4
	7.8	18.0
cb.	9.6	16.2
W. line	7.7	18.1

37' no. Sect 20E

E line

6.4 19.4

3675
X sect Coast Blvd. West, hio

Prospect west
2392

35

26.5' west sect 20B Frig. 2

53' W

C		8.2	28.6	59' no.			25.48
no. 1/4		15.5	21.3	no. line		7.1	18.8
	63' W			no. cb.		9.1	16.8
				+6'		10.0	15.9
				+8'		12.1	13.8
Q		10.8	26.0	+4'		11.7	14.2
	79.5' W			+2'		7.9	18.0
C		13.4	23.4	4'			
+1' north		21.9	14.9		79.5' W		
J.P.	1.88	25.92 12.71	24.04	46' north			23.25
	26.5' W sect 20B			no. line		6.8	19.1
69' no.		18 27.71				7.2	18.7
no. line		7.7	18.2	no. 1/4		9.6	16.3
+8		9.2	16.7	+6'		10.4	15.5
+10		12.0	13.9	+8'		12.9	13.0
+11		9.8	16.1	39' north	95' W		23.25
no. curb		8.5	17.4	no. line		5.7	20.2
no						6.4	19.5
						4.8	21.1
				+7'		3.9	22.0
				+8'		11.7	14.2
				C		11.7	14.2
				H		12.1	13.8
				+3'		12.1	13.8
				cb. 29'		3.5	22.4
						7.9	18.0

2592

16

106' W. = section H.I.

no. line	3.1	228
	3.2	227
	3.1	228
C	2.7	232
+11	2.5	234
+12	14.1	11.8
1/4	14.2	11.7
cb.	14.9	11.0
+1	10.7	15.2

118.5 west

no. line	3.0	229
gutter	3.1	228
	3.9	221
	3.4	225
C	3.1	228
+7'	3.3	226
1/4	7.2	18.7
+9	11.5	14.4
+11	14.9	11.0
cb.	15.1	10.8

CROSS SECTION OF
 GRAPE ST
 from the west line of 32nd St
 to east Bancroft

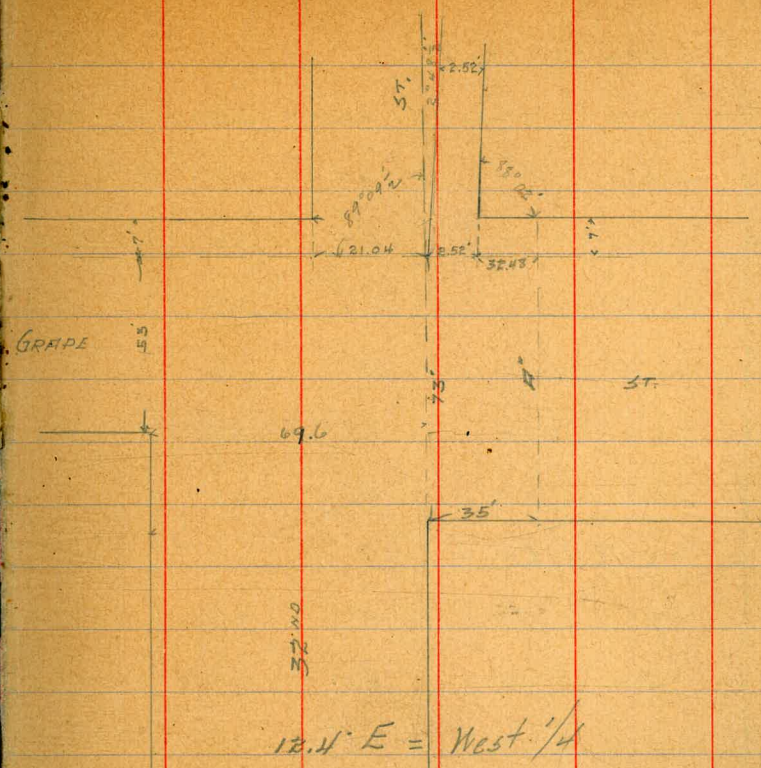
30' ST
 30' ab
 10' No
 10' 1/2

BM 6.87 283.83 276.96 BP 5832 1/2

West Line 32nd St (this section 60')

S		5.9	277.9
+ 2		6.6	277.2
+ 10 = cb		6.9	276.9
+ 10 = 1/4		6.5	277.3
+ 10 = c		6.2	277.6
+ 10 = 1/4		5.9	277.9
+ 10 = cb		5.9	277.9
+ 5		5.7	278.1
+ 10 = N		4.6	279.2
	10' E = 11' cb.		
N		3.8	280.0
+ 10 = cb		4.2	279.6
+ 10 = 1/4		5.0	278.8
+ 10 = c		5.3	278.5
+ 10 = 1/4		5.7	278.1
+ 10 = cb		5.5	278.3
+ 7		5.5	278.3
+ 12.87 = 50		4.7	279.1

GRAPE ST



S		4.7	279.1
+ 16.43 = cb		4.5	279.3
+ 10 = 1/4		4.3	279.5
+ 10 = c		4.2	279.6
+ 10 = 1/4		4.3	279.5
+ 10 = cb		3.9	279.9
+ 10 = N		3.6	280.2

12.4' E = Center

N	3.5	2803
+10 = cb	3.7	2801
+10 = 1/4	4.2	2796
+10 = c	4.4	2794
+10 = 1/4	4.4	2794
+10 = cb	4.5	2793
+30 = S	4.8	2790

12.4' E = E 1/4

S	5.1	2787
+23.56 = cb	4.5	2793
+10 = 1/4	4.6	2792
+10 = c	4.4	2794
+10 = 1/4	4.3	2795
+10 = cb	3.7	2801
+10 = N	3.2	2806

12.4' E = E cb

N	3.4	2804
+10 = cb	3.7	2801
+10 = 1/4	4.2	2796

+10 = c

+10 = 1/4

+10 = cb

+27.13 = S

S

+30 = cb

+10 = 1/4

+10 = c

+10 = 1/4

+10 = cb

+10 = No

N

cb

+4

1/4

c

1/4

cb

+30 = S

10' E on So
12.52' - No = E.L. of 32nd St.

35' E on So
32.48' - No = SECT A 80' sections from here

44

45

46

51

51

46

45

43

42

33

33

41

42

48

47

48

49

5.2

53

279.4

279.3

279.2

278.7

278.7

279.2

279.3

279.5

279.6

280.3

280.5

279.7

279.6

279.0

279.1

279.0

278.9

278.6

278.5

35' E of A

	61	277.7
5		
130-cb	57	278.1
1/4	54	278.4
c	53	278.5
1/4	51	278.7
+7	52	278.6
cb	47	279.1
N	44	279.4

65' E of A

	54	278.4
N		
cb	57	278.1
+3	63	277.5
1/4	60	277.8
c	61	277.7
1/4	62	277.6
cb	67	277.1
+30-50	70	276.8

105' E of A

50	90	274.8
----	----	-------

+30-cb

	85	275.3
1/4		
c	82	275.6
1/4	80	275.8
+7	80	275.8
cb	83	275.5
N	75	276.3
	68	277.0

165' E of A = W.L. Bancroft St

200

96

274.2

cb

10.2

273.6

+3

10.8

273.0

1/4

10.5

273.3

c

10.9

272.9

1/4

11.2

272.6

cb

11.8

272.0

+9.5

12.4

271.4

+11

11.1

272.7

+30-50

12.1

271.7

TP

388

277.16

10.55

273.28

277.16

6.5' E of W Line

So.	5.45	271.71	on cement at
+7	5.06	272.10	end of walk
+14	5.1	272.1	
+18	6.2	271.0	
cb	5.2	272.0	
1/4	4.7	272.5	
c	4.3	272.9	
1/4	4.0	273.2	
cb	3.5	273.7	
No	3.3	273.9	

12' E. of W Line

No	2.6	274.6	
cb	3.3	273.9	
1/4	4.0	273.2	
c	4.3	272.9	
1/4	4.7	272.5	
cb	5.4	271.8	
So.	6.9	270.3	

GRADE

20

W. Cb

So	7.1	270.1	
cb	5.4	271.8	
1/4	4.7	272.5	
c	4.4	272.8	
1/4	3.9	273.3	
cb	3.2	274.0	
No	2.5	273.7	

W. Quarter

No	3.1	274.1	
cb	3.7	273.5	
1/4	4.2	273.0	
c	4.6	272.6	
1/4	5.0	272.2	
cb	5.6	271.6	
So	7.1	270.1	

Center

So	7.5	269.7	
+16	7.2	270.0	
cb	5.6	271.6	

277.16

GRAPE

21

1/4	49	272.3
c	41	273.1
1/4	39	273.3
cb	3.5	273.7
No	2.8	274.4

7' E of Center

No	29	274.3
cb	3.6	273.6
1/4	41	273.1
c	4.2	273.0
1/4	4.9	272.3
cb	5.6	271.6
+7	6.0	271.2
+23	11.1	266.1
So	8.7	268.5

E. Quarter

So	12.0	265.2
+8	11.4	265.8
+17	6.6	270.6

cb	5.5	271.7
1/4	4.8	272.4
c	4.0	273.2
1/4	3.5	273.7
cb	3.1	274.1
No	2.9	274.3

E. Corb

No	2.4	274.8
cb	2.7	274.5
1/4	3.4	273.8
c	4.0	273.2
1/4	4.7	272.5
cb	5.4	271.8
+6	5.7	271.5
So	14.4	262.8

E. L. BANCROFT ST.

So	12.3	264.9
+12	7.0	270.2
cb	5.1	272.1
1/4	4.2	273.2

277.6

c

3.6

273.6

1/4

3.2

274.0

d

2.1

274.8

No.

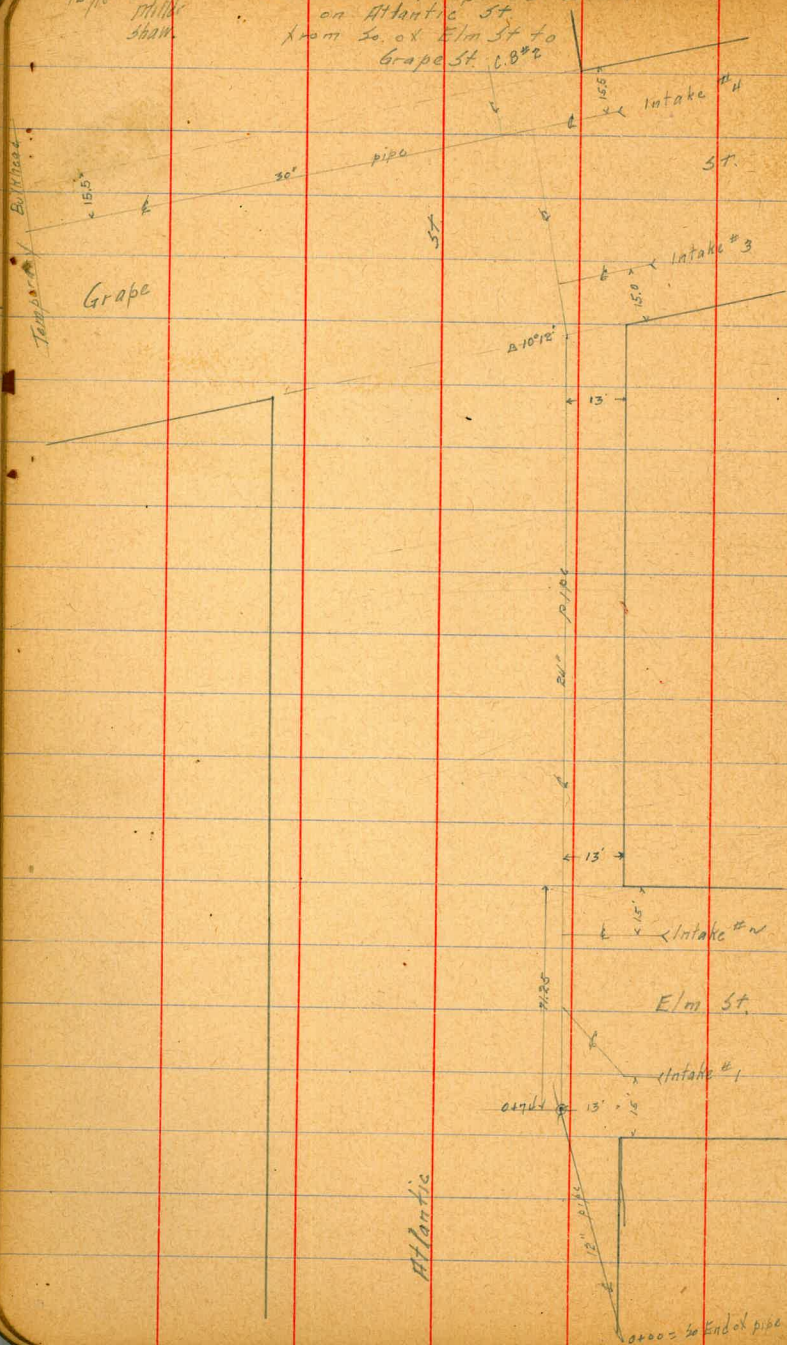
1.9

275.3

22

100 ft pipe
 15" dia
 30" dia

Levels on Proposed Drain
 on Atlantic St
 from So. of Elm St to
 Grape St. 1.8%



Levels

0+71	43.18	42.47	BM. 34. Date 17119
0+70	31.38	12.50	30.68
2+43	21.14	12.67	18.71
0+58	8.85	12.87	8.27
0+00		6.0	2.9
0+09.0		5.8	3.1
0+16		4.9	4.0
0+50		4.9	4.0
0+71 Δ		4.7	4.2
Intake #1		4.7	4.2
0+93		4.6	4.3
0+98		5.4	3.5
1+21		5.0	3.9
Intake #2		3.5	5.1
1+28		3.9	5.0
		5.2	3.7
1+40.5		5.3	3.6
		3.5	5.4
1+59		4.4	4.5
1+88		5.1	4.8
2+08		5.2	4.7

2+27			38	51
2+38			45	44
2+71			57	52
2+86			53	36
3+25			46	43
3+60			52	37
4+00			50	39
4+50			50	39
5+00			48	41
5+61.5 =	3L Grape St Δ		40	49
T.P.	2.55	9.88	1.52	7.33
5+68			44	55
5+77			52	47
Intake #3			49	50
6+00			47	52
6+25.7 =	1.5' 50. x N. Cb. Δ		51	48
Intake #4			46	53
6+29.45			52	47
Catch Basin #2			50	49
6+70			54	45

← Under bldg

7+00			48	51
7+50			50	49
8+00			52	47
8+30			56	43
8+90			46	53
9+48 =	bldg No. Side		5.5	44
T.P.	349	840	4.97	4.91
9+73 =	bldg West Side		41	43
10+0			47	37
10+18 =	Temporary bldg		5.4	30
Top of 6" whaling strip			7.9	0.5
Top of stationary platform			8.9	- 0.5

Top H/d
6' pipe

Levels over alternate
line on a line 15.5' No
of 3. Line of Grape St
beginning at Sta 5+77 (preceding
page) running to Temporary
Bulkhead.

	2.55	7.88	7.33	Top Hyd.
5+77 on 24" cement pipe see page 24		5.2	4.7	
5+91		5.3	4.6	
5+95		4.1	5.8	
6+00		5.5	4.6	
6+13		5.8	4.1	
6+40		5.2	4.7	
6+95		5.5	4.6	
7+30		4.4	5.5	
7+80		5.5	4.6	
8+00		5.6	4.3	
8+50		5.2	4.7	
9+00		5.5	4.6	
9+41 = 6" dia. Line is under 6" dia. for 7'		5.7	4.2	
T.P.	3.49	8.40	4.97	4.91
4+72 = Temp bulkhead		4.5	3.9	
Top of 6" whaling Strip		7.7	0.7	

4/19/22
Grocery
Store
Miller
Shaw

CROSS SECTION
of ALLEY
from 38 to 39th
bet Q St + Woodmen

15' wide

5.53 89.09 83.56

Top of Hill
39th + Woodmen

E. L 38th

155' E

S 14.3 79.87

C 13.4 75.7

N 12.3 76.8

25' E

N 10.6 78.5

C 11.1 78.0

S 11.8 77.3

60' E

S 9.3 77.8

C 9.5 79.6

N 9.4 79.7

100' E

H = garage dirt floor 6.6 82.5

C 6.6 82.5

S 6.4 82.7

125' E

S 3.6 85.5

25

C 4.7 84.4

N 4.6 84.5

N 2.3 86.8

C 2.5 86.6

S 1.7 87.4

T.P. 12.03 101.12 0.00 89.09

180' E

S 11.3 89.8

C 11.0 90.1

N 11.5 89.6

400' E

N 9.1 92.0

C 9.1 92.0

S 9.3 91.8

250' E

S 1.8 99.3

C 2.4 98.9

N 2.8 98.3

T.P. 12.56 113.46 0.22 100.90

113.46

285° E

N	10.0	103.5
C	9.4	104.1
S	9.2	104.3

300° E

S	8.7	104.8
C	8.7	104.8
N	8.8	104.7

319° E

S/N/W	garage floor cement	8.3	105.2
-------	---------------------	-----	-------

350° E

N	8.3	105.2
C	7.9	105.6
S	6.8	106.7

400° E

S	7.2	106.3
C	8.0	105.5
N	8.5	105.0

435° E

N	8.7	104.8
---	-----	-------

C

83 105.2

S

6.9 106.6

470° E

S

5.3 108.2

+3

6.2 109.3

C

6.5 107.0

N

6.2 107.3

500° E

N

3.8 107.7

C

4.5 109.1

+6

3.4 110.1

S

2.4 111.1

530° E

S

2.5 111.1

+1.5

3.3 110.2

C

3.2 110.3

N

3.2 110.3

560° E

N

3.7 109.8

C

3.3 110.2

11346

S

2.0 111.5

585'E

S

2.2 111.3

C

4.3 109.2

N

4.6 108.9

598'E

N

6.4 107.1

C

6.7 106.8

S

3.6 109.9

600'E = M.L. 39th St

S

7.3 106.2

C

7.2 106.0

N

7.9 105.6

chk. B.M.

2.97 110.49

2.97
374.1001
= 110.46

4/19/22

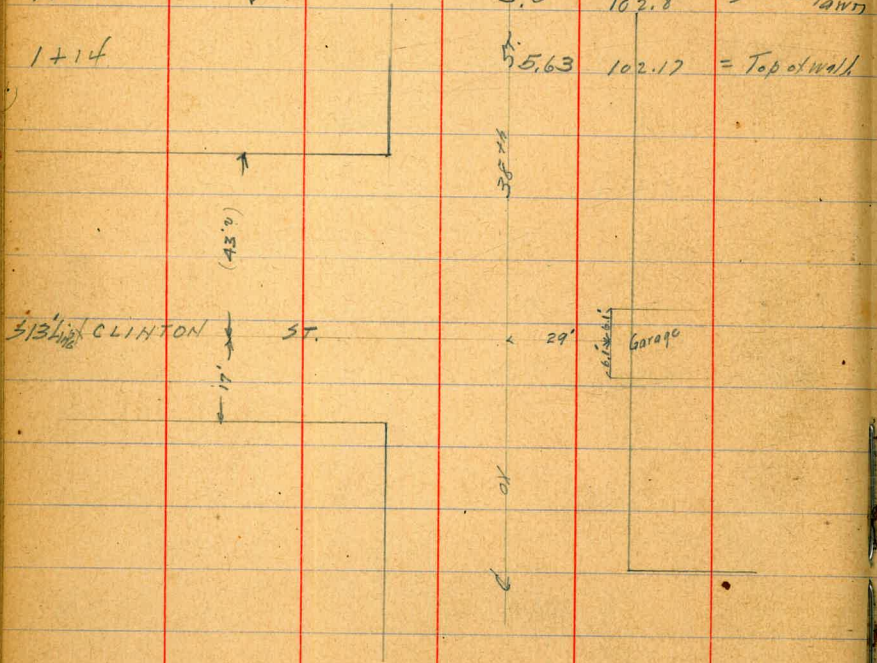
Garage
Measure
miles
show

Notes for Wall
39th St S. x Imperial Ave

Profile on E.L. from 3L Garage to NE. of 39th St

3.36	102.28		98.92	NE 39th St 37th St
9.22	107.80	3.70	98.58	
3. wall at Garage = 00		0.7	107.1	= Elev. of lot
+ 45		1.0	106.8	= " " "
+ 50		2.7	106.1	= " " "
+ 75		3.6	104.2	= " " "
1+00		5.0	102.8	= - lawn
1+14		5.63	102.17	= Top of wall

Wall should be
built up to these elev.



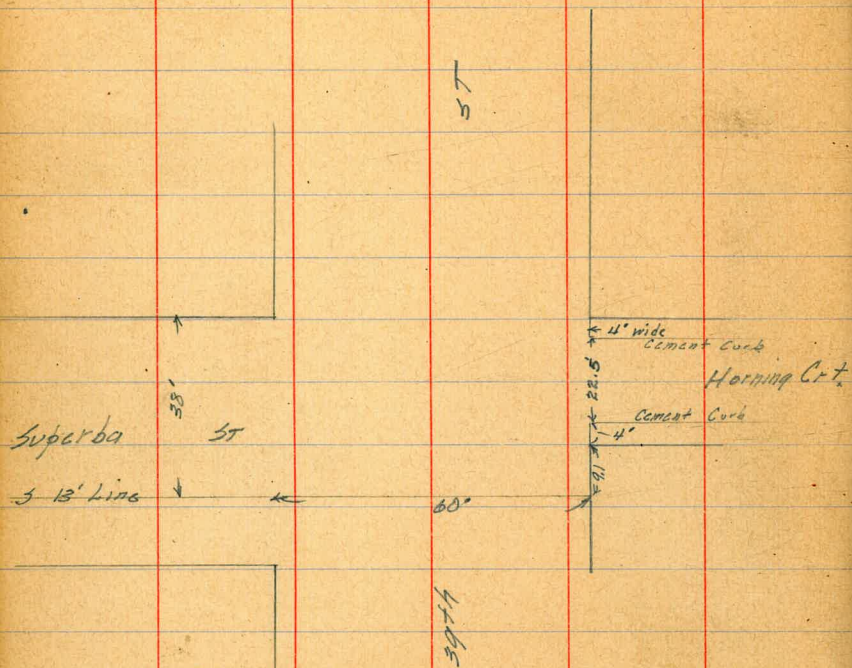
4/19/20

Gregory
Moore
Miller
Shaw

Location of
Horning Court
39th St S. of Imperial Ave

356
131
225

80



3/1/23

Gregory
MooreLevels on Marine St
E of La Jolla Blvd.
to Establish Grades
8607

74.45

11.62

E.L. La Jolla Blvd = Sect A

S cb	14.1	91.0
C	14.2	71.9
N cb	14.4	71.7
50' E		
N. cb	12.3	73.8
C	12.2	73.9
S cb	12.2	73.9
100' E		
S cb	10.3	75.8
C	9.8	76.3
N cb	9.7	76.4
150' E		
N cb	8.1	78.0
C	7.7	78.4
S cb	8.4	77.7
200' E		
S cb	7.0	79.1
C	6.4	79.7

Blvd

La Jolla

Blvd

Marine St

31

N cb

6.6

79.5

No change in property line Elev. from here
see X sections for ground lines

250' E

4.7

81.4

300' E

2.9

83.2

350' ✓

1.5

84.6

T.P.

1296'

9895

0.07

86.00

400' E

12.4

86.6

425' ✓

11.0

88.0

450' ✓

9.6

89.5

500' ✓

7.1

91.9

550' ✓

5.1

93.9

600' ✓

2.6

96.4

633' ± = W.L. Draper

0.5

98.5

2/23

Gregory
maerie
Miller
Shaw

Cross Section of
TORREY ROAD
from Prospect to Coast Blvd

88

0+70

3.08 153.06 14998 B.P. NW Prospect & Torrey

E.L. Prospect = 0+00

Stationing is on ϕ of paving as shown in

Book 1018. All sections taken at angles

N	3.8	49.3		50' N. of ϕ	8.7	44.4	
+14	4.2	48.9		45 ✓ - -	8.7	44.4	
+18.5	4.24	48.82	= edge paving	38 ✓ - -	8.7	44.4	
+40	2.7	50.4		35 ✓ - -	9.2	43.9	
+51.1	2.35	50.71	edge pav.	25 ✓ - -	9.5	43.6	
+66	1.9	51.2		10 ✓ - - -	8.3	44.8	on paving
+80 = 5L	0.8	52.3		ϕ	8.2	44.9	✓ -
				10' S. of ϕ	8.2	44.9	✓ -
				22 ✓ - -	7.5	45.6	
				31 - - -	6.1	49.0	
					1+04		
	0+20.2			60' N. of ϕ	12.2	40.2	
38' S. of ϕ	1.8	51.3		43 ✓ - -	11.7	41.4	
33 ✓ - -	2.4	50.7		40 ✓ - -	12.2	40.9	
10 - - -	4.0	49.1	edge paving	30 ✓ - -	12.0	41.1	
C	4.3	47.8	on -	22 ✓ - -	12.2	40.9	
10' N. of ϕ	4.8	47.3	✓ -	10 - - -	11.1	42.0	on paving
25 ✓ - -	6.1	47.0		ϕ	11.0	42.1	✓ -
40 ✓ - -	5.5	47.6		10' S. of ϕ	11.1	42.0	

		153.06						
20 5.0x6			10.9	42.2		30 11.0x6	1.6	38.9
25 " " "			8.8	44.3		20 " " "	2.0	38.5
		1+06				10 " " "	0.9	39.6 on paring
25 5.0x6			11.5	41.6		6	0.8	39.7 ✓ ✓
10 " " "			11.2	41.9 on paring		10 5.0x6	0.9	39.6 ✓ ✓
6			11.2	41.9		15 " " "	1.5	39.0
T.P.	0.13	140.48	12.71	140.35		24 " " "	1.5	39.0
		1+20						
62 11.0x6			1.2	37.3				1+60
50 " " "			0.6	39.9		23.5 5.0x6	3.6	36.9
30 " " "			1.1	39.4		17 " " "	3.6	36.9
20 " " "			0.9	37.6		10 " " "	3.0	32.5 on paring
10 " " "			+0.2	40.2 on paring		6	2.8	32.7 ✓ -
6			+0.3	40.8 ✓ ✓		10 11.0x6	2.9	32.6 - -
3 10 5.0x6			+0.2	40.2 ✓ ✓		17 " " "	4.4	36.1
3 15 " " "			0.2	40.3		26 " " "	4.1	36.4
10 24 " " "			0.1	40.4		35 " " "	6.1	34.4
		1+35				60 " " "	12.0	28.5
10 63 11.0x6			9.1	31.4		63 " " "	13.6	26.9
2 53 " " "			6.8	33.7				1+75
4 40 " " "			2.5	38.0		70 11.0x6	18.8	21.7

12645

55 N. of G	15.3	25.2	
40 " " "	12.4	28.1	
24 " " "	5.5	35.0	
17.5 " " "	5.9	34.6	
15 " " "	5.1	35.4	
10 " " "	4.4	36.1	on paring
4	4.3	36.2	" "
10 S. of G	4.5	36.0	" "
24.8 " " "	5.0	35.5	
	2+20	= beginning of Salt Bush on S	
21.8 S of G	7.4	33.1	on delvona
18 " " "	7.7	32.8	
10 " " "	8.1	32.4	on paring
4	7.9	32.6	" "
10 N of G	7.9	32.6	" "
18 " " "	9.7	30.8	
24 " " "	13.5	26.7	
T.P.	21.07	130.49	128.42
30 N of G	6.8	23.7	
43 " " "	14.6	15.9	

60 N of G	17.5	13.0	
73 " " "	20.3	10.2	
	2+45		
75 N of G	44.9	07.6	
50 " " "	18.7	11.8	
46 " " "	15.9	14.6	
19 " " "	1.2	29.3	
10 " " "	0.0	30.5	on paring
4	+0.1	30.6	" "
10 S of G	0.0	30.5	" "
22 " " "	+0.7	31.2	
	3+00		
24 S of G	3.9	26.6	
10 " " "	3.9	26.6	on paring
4	3.9	26.8	" "
10 N of G	3.8	26.7	" "
15 " " "	5.3	25.2	
73 " " "	7.0	23.5	
32 " " "	13.9	16.6	
44 " " "	40.2	10.3	

130.49

68 N. of d	22.6	02.9
65 - - -	25.5	05.0
75 - - -	26.0	04.5
87 - - -	29.1	01.4

3420

85 N. of d = Tannis Court fence	29.6	01.1
65 - - -	26.2	04.3
45 - - -	23.1	02.4
30 - - -	14.1	16.4
22 - - -	7.2	23.3
10 - - -	5.1	25.4
d	5.1	25.4
10 S. of d	5.3	25.2
14 - - -	5.3	25.2
17 - - -	4.5	26.0
25 - - -	4.3	26.2

3465

25 S. of d	7.5	23.0
14 - - -	7.5	23.0
10 - - -	8.1	22.4

130.49

TORREY PD.

50

d	7.9	22.6
10 N. of d	7.8	22.7
21 - - -	9.3	21.2
27 - - -	11.7	18.8

TP	5.76	123.27	12.98	117.51
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40 N. of d	14.8	08.5
50 - - -	19.5	03.8
58 - - -	21.5	01.8
90 - - -	24.1	99.2

4400

80 N. of d	25.2	98.1
50 - - -	21.5	01.8
40 - - -	16.9	06.4
45 - - -	4.7	18.6
10 - - -	2.6	20.7
d	2.7	20.6
10 S. of d	2.8	20.5
25 - - -	2.2	21.1

4445

25 S. of d	4.5	18.8
------------	-----	------

123.27				118.94			
10 S.O.L.G.		4.7	18.6	on paving	⊕	1.0	12.9
⊕		4.6	18.8	✓	10 S.O.L.G.	1.2	12.7
10 N.O.L.G.		4.4	18.9	✓	45 - - -	1.2	12.7
12 - - -		5.2	18.1		5+10		
24 - - -		5.9	17.4		30 S.O.L.G. = toe of bank	1.9	17.0
32 - - -		11.5	11.8		45 - - -	2.3	16.6
T.P.	803	118.94	12.36	110.91	15 - - -	2.9	16.0
40 N.O.L.G.		12.5	06.4		10 - - -	2.6	16.3
49 - - -		15.3	03.6		⊕	2.4	16.5
67 ✓ - - -	= Driveway to Garage	17.7	01.2	Fit this if possible	10 N.O.L.G.	2.3	16.6
72 ✓ - - -	= - - -	18.3	00.6		12 - - -	2.9	16.0
	4+70				22 ✓ - -	3.2	15.7
68 N.O.L.G.		14.1	04.8		31 - - -	5.3	13.6
57 - - -		12.7	06.2		33 - - -	7.3	11.6
43 - - -		12.4	06.5		47 - - -	8.1	10.8
41 - - -		11.7	07.2		56 - - -	9.8	09.1
35 - - -		10.9	08.0		5+35		
21 - - -		4.5	16.4		50 N.O.L.G.	5.4	13.5
13 - - -		1.7	17.2	on paving	40 - - -	4.0	14.9
10 - - -		0.9	18.0	✓	32 - - -	4.5	14.4

20 N. of Q	3.8	15.1	
12 " " "	3.8	15.1	
10 " " "	3.3	15.6	on paving
Q	3.3	15.6	" "
10 S. of Paving	3.5	15.4	" "
20 " " "	3.8	15.1	
29 " " " = Top of Bank	3.0	15.9	
5+75			
31 S. of Q = Top of Bank	4.7	14.2	
13 " " "	5.1	13.8	
10 " " "	4.6	14.3	on paving
Q	4.6	14.3	" "
10 N. of Q	4.8	14.1	" "
18 " " "	5.7	13.2	
21 " " "	5.4	13.5	
25 " " "	3.3	15.6	
32 " " "	1.5	17.4	
chk of 7 nails	4.52	14.42	nails

1/17/24 Gregory.

CROSS SECTION OF
NW 5th ST
from NW 33rd ST
TO EL 32nd ✓

80' wide 14' cbs

289.08

33

10.47

289.08

278.61

NW 33rd

+ 1/4

cb

6.4

82.7

+ 6.7% outside edge walk

5.90

83.2

N

5.8

83.3

W. L. 33rd ST.

59' W

N

9.9

279.2

N

3.7

85.4

+ 7.3 = outside edge of walk.

10.01

29.07

+ 7.3% outside edge walk

4.04

85.04

cb

9.9

79.2

cb

4.5

84.6

+ 7

10.4

78.2

+ 7

5.3

83.8

1/4

10.1

79.0

1/4

5.1

84.0

c

9.4

79.2

c

4.4

84.7

1/4

7.8

81.3

+ 4

3.3

85.8

cb

8.0

81.1

1/4

2.8

86.3

5

8.4

80.7

cb

2.9

86.2

37' W

5

2.9

86.2

5

4.8

84.3

95' W

cb

4.5

84.6

5

2.7

86.4

1/4

4.5

84.6

cb

2.0

87.1

+ 8

4.7

84.4

1/4

1.5

87.6

c

6.1

83.0

+ 11

1.5

87.6

1/4

7.1

82.0

c

2.7

86.4

+ 6

7.3

81.8

289.08

1/4	3.1	86.0
+5	3.2	85.9
cb	2.6	86.5
+6.7 = outside edge walk	2.18	86.90
N	2.0	87.1

125' W

N	1.3	87.8
+7.3 = outside edge walk	1.52	87.56
cb	1.8	87.3
+5	2.1	87.0
+7	2.8	86.3
1/4	2.8	86.3
C	4.3	86.8
+2	1.2	87.9
1/4	1.5	87.6
cb	2.0	87.1
S	2.9	86.2

150' W

S	4.9	84.2
cb	3.1	86.0

289.08

14Y

39

1/4	2.2	86.9
C	1.8	87.3
+2	2.4	86.7
1/4	2.8	86.3
+5	2.7	86.4
+7	2.1	87.0
cb	1.6	87.5
+6.7 = outside edge walk	1.26	87.82
N	1.1	88.0

170' W

N	1.2	87.9
+7.3 = outside edge walk	1.48	87.66
cb	1.8	87.3
+6	2.0	87.1
+8	2.8	86.3
1/4	2.9	86.2
C	2.7	86.4
1/4	2.9	86.2
cb	3.8	85.3
S	5.8	83.3
+5	6.3	82.8

28905

200' W = E.L. BANCROFT

80' wide 146

-5	6.3	82.8
S	5.8	83.3
cb	4.6	84.5
1/4	4.1	85.0
C	3.4	85.7
1/4	3.5	85.6
+6	3.3	85.8
+8	2.3	86.8
cb	2.0	87.1
+6.7 = outside edge walk	1.73	87.35
N	1.5	87.4
7.55' W. of E.L. = outside edge walk on Ban.		
N	1.57	87.51
15.3' S. of H.L. = end of walk	2.12	86.96
E. Curb.		
N	1.9	87.2
+7.30 = outside edge of walk	2.07	87.01
+13	2.5	86.6
cb	3.3	85.8

289.05

1VY

+5	3.9	85.2
1/4	3.6	85.5
C	4.2	84.9
1/4	4.9	84.2
cb	5.5	83.6
S	6.4	82.7
+5	6.6	82.5
2.5' W. of E cb = end of walk.		
7.3' S. of H.L. = outside edge walk	2.16	86.92
E 1/4		
-5	7.2	81.9
S	6.7	82.4
cb	6.1	83.0
1/4	5.7	83.4
C	5.0	84.1
1/4	4.4	84.7
cb	4.0	85.1
N	3.3	85.8
Center		
N	3.2	85.9

8544
28908

cb	3.8	85.3
1/4	4.4	84.7
c	5.1	84.0
1/4	5.5	83.3
cb	6.6	82.5
5	7.0	82.1
+5	8.0	81.1

W 1/4

-5	9.0	80.1
5	8.1	81.0
cb	6.9	82.2
1/4	6.1	83.0
c	5.2	83.9
1/4	4.7	84.4
cb	4.2	84.9
N	3.7	85.4

W cb

N	4.1	85.0
cb	4.6	84.5
1/4	5.2	85.9

289.05

IVY

c	5.8	83.3
1/4	6.5	82.6
cb	7.5	81.6
+9	9.3	79.8
5	10.9	78.2
+10	12.5	76.6

7' W. of W. Cb

-10	14.4	74.7
5	12.4	76.7
+8	9.9	79.2
cb	8.2	80.9
1/4	7.1	82.0
c	6.4	82.5
1/4	6.0	83.1
cb	6.2	82.9
N	4.6	84.5

W. L.

-3	5.3	83.8
N	5.3	83.8
cb	6.7	82.4

28908

1/4	7.5	81.6
C	8.4	80.7
1/4	9.2	79.9
cb	10.8	78.3
S	13.6	75.5
+10	15.4	73.7
8' W		
-10	16.0	73.1
S	14.6	74.5
cb	13.2	75.9
1/4	11.5	77.6
C	10.0	79.1
1/4	8.6	80.5
cb	7.6	81.5
N	6.1	83.0
27' W		
N	6.9	82.2
cb	9.3	79.8
1/4	10.0	79.1
C	11.4	77.7
1/4	13.0	76.1

144

TP	1.55	277.65	12.98	276.10
cb			2.9	74.8
S			4.2	73.5
+1.3			6.4	71.3
+2.3			9.6	68.1
50' W				
-2.6			17.0	60.7
S			12.3	65.4
cb			7.2	70.5
1/4			4.8	72.9
C			2.6	75.1
1/4			1.0	76.7
cb			1.1	76.6
N			0.6	77.1
+10			0.8	76.9
63' W				
-1.3			0.8	76.9
N			4.1	73.6
+8			5.1	72.6
cb			3.2	74.5

27765

+8	4.1	73.4
1/4	3.5	74.2
C	4.6	73.1
1/4	6.9	70.8
+11	8.0	69.7
cb	9.2	68.5
5	18.2	61.5
+7	18.6	59.1
+31	21.5	56.2
80' W.		
-33	30.2	47.5
-15	27.1	50.6
-7	23.0	54.7
5	22.9	54.8
+11	19.7	58.0
cb	17.9	59.8
1/4	12.0	65.7
C	9.4	68.3
1/4	9.0	68.7
+7	11.1	66.6

1299

2006

147

cb	29765	9.4	68.3
N		4.4	73.3
+15		2.3	75.4
90' W			
-10		6.1	71.6
N		8.2	69.5
cb		13.2	64.5
+6		15.9	61.8
1/4		15.9	61.8
C		17.1	60.6
1/4		19.5	58.2
cb		24.5	53.2
5		29.2	48.5
+10		30.3	47.4
+18		33.0	44.7
+28		36.2	41.5
+31		35.4	42.3
+40		35.0	42.7
100' W			
-55		44.0	33.7
		41.4	36.3

	277.65			
		41.4	36.3	
-17		37.7	40.0	
-10		35.6	42.1	
5		33.5	44.2	
cb		30.3	47.4	
+3		29.0	48.7	
1/4		24.4	53.3	
c		21.7	56.0	
1/4		21.3	56.4	
cb		17.7	60.0	
N		12.8	64.9	
+15		8.3	69.4	
	105° W			
-20		11.6	66.1	
T.P.	0.06	264.72	12.99	264.66
N		1.3	63.4	
cb		5.8	58.9	
1/4		8.4	56.3	
c		9.4	55.3	
1/4		12.5	52.2	

		64.72	147	147
cb			14.7	52.7
5			19.1	45.6
interpolate slopes bet 105° and 112° W				
112° W				
-41			22.1	42.6
-28			20.1	44.6
-10			19.0	45.7
5			16.1	48.6
cb			11.2	53.5
1/4			8.4	56.3
c			5.5	59.2
1/4			3.7	61.0
T.P.	12.99	277.65	0.06	264.66
cb			14.5	63.2
N			12.7	65.0
+15			10.6	67.1
125° W				
-9			2.4	75.3
N			4.3	73.4
cb			6.8	70.9

		2776.5		
1/4			81	69.6
C			11.0	66.7
1/4			15.0	62.7
cb			18.2	59.5
S			21.6	56.1
+26			24.5	53.2
		140' W		
-15			15.0	62.7
S			12.4	65.3
cb			9.3	68.4
1/4			7.2	70.5
C			2.5	75.2
T.P.	9.49	286.31	0.83	276.82
1/4			8.2	78.1
cb			7.5	78.8
N			6.6	79.7
		155' W		
N			4.7	81.6
cb			5.0	81.3
1/4			5.7	80.6

		86.31	144
C		6.6	79.7
1/4		8.4	77.9
cb		10.4	75.9
S		14.7	71.6
+15		17.8	68.5
		169' W	
-10		12.0	74.3
S		9.5	76.8
cb		7.5	78.7
1/4		6.8	79.5
C		5.8	80.5
1/4		5.5	80.8
cb		4.7	81.6
N		4.4	81.9
		180' W	
N		4.4	81.9
cb		5.0	81.3
1/4		5.3	81.0
C		5.7	80.6
1/4		6.3	80.0

80.31

147

cb 7.2 79.1

S 8.8 79.5

+10 10.5 79.8

200' W = E.L. 32nd

-10 14.2 72.1

S 11.0 75.3

cb 8.3 78.0

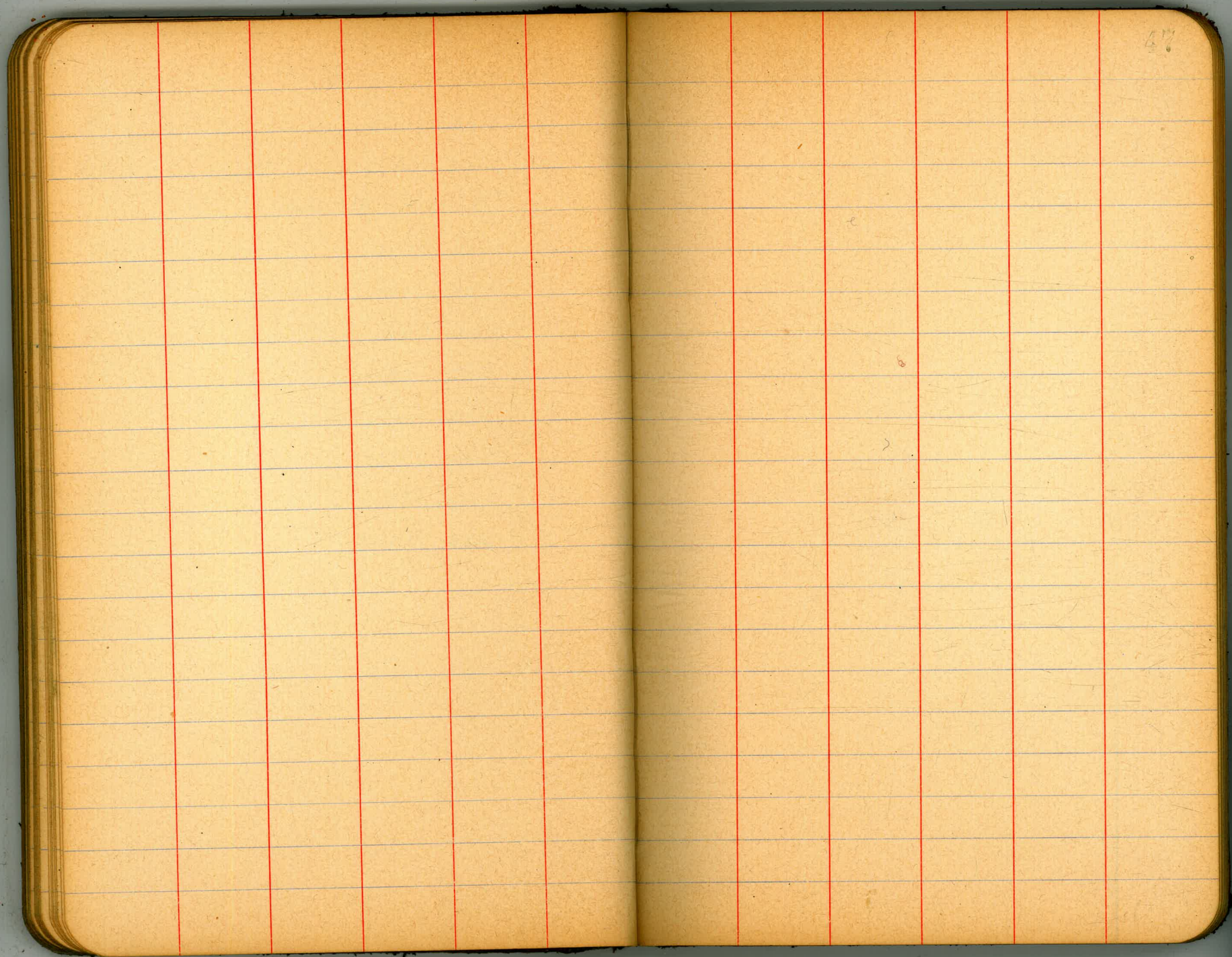
1/4 7.0 79.3

C 6.1 80.2

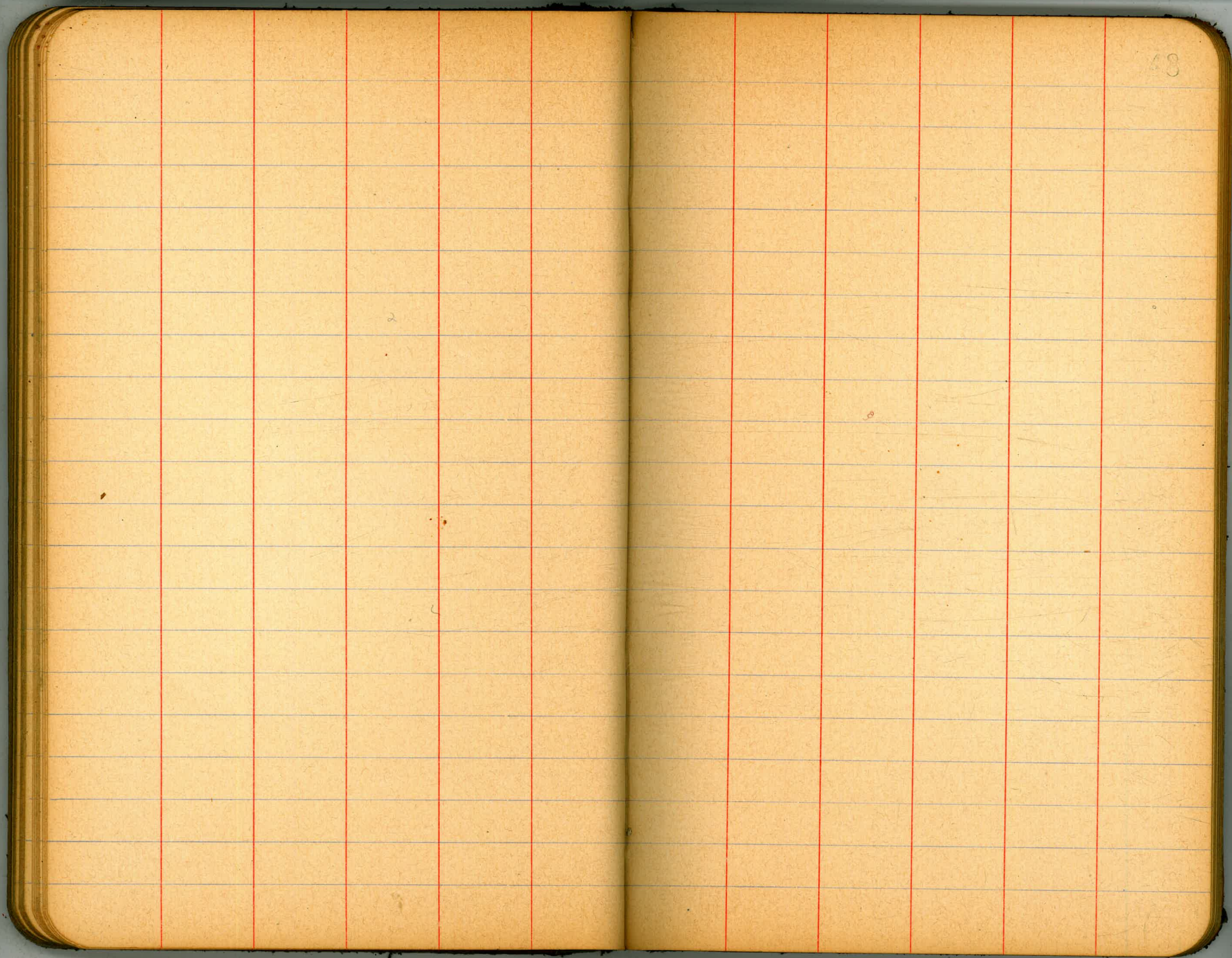
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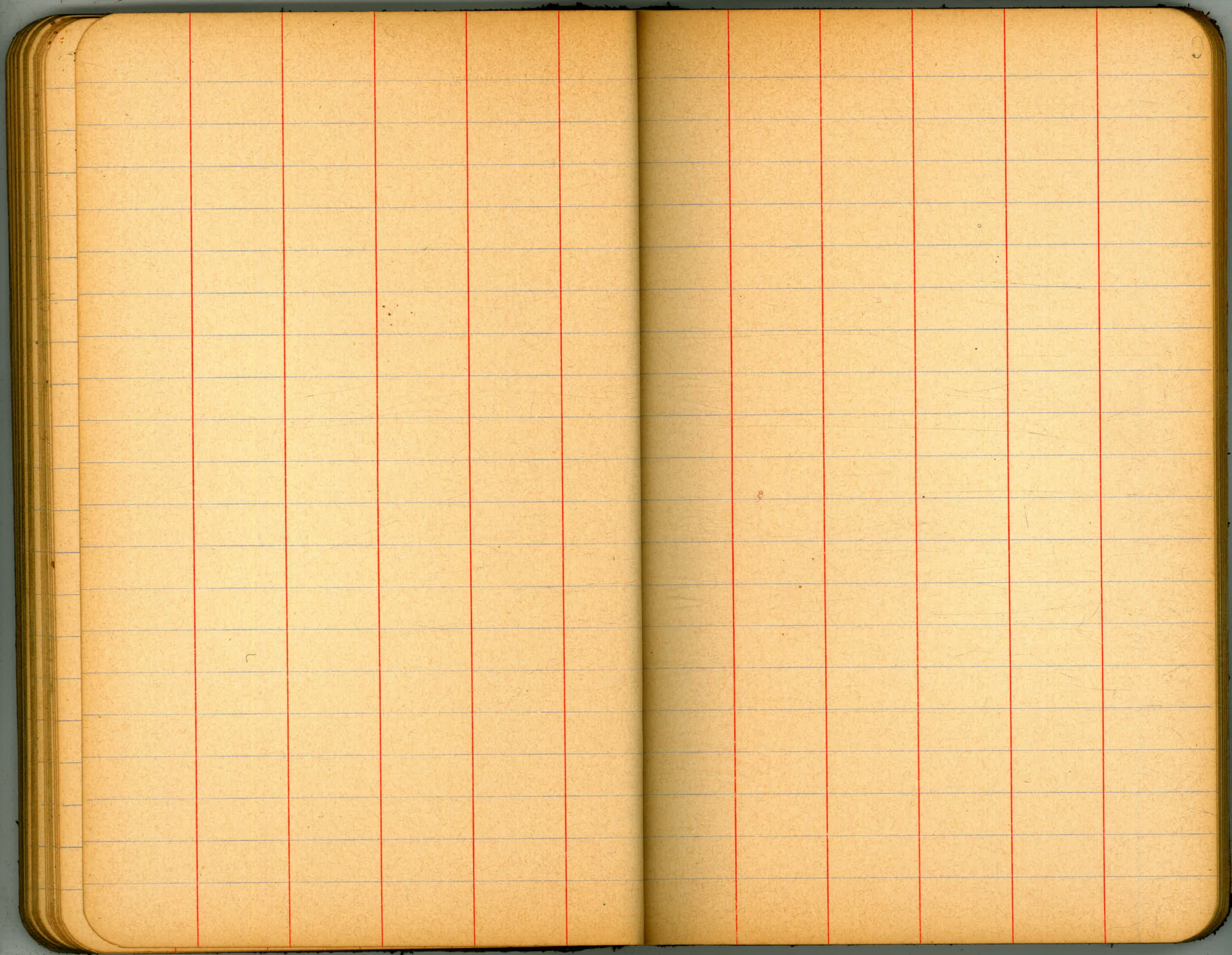
cb 5.2 81.1

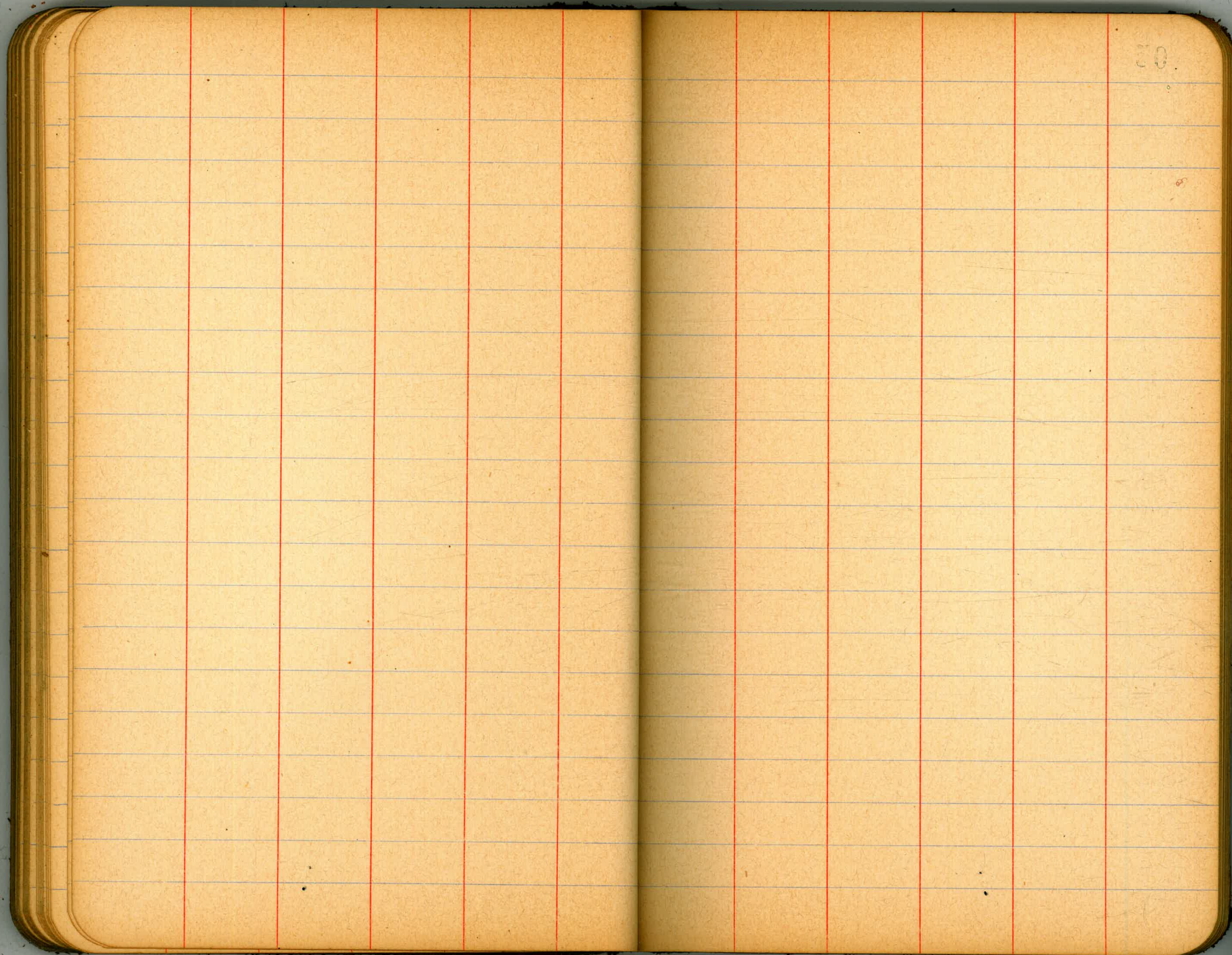
N 4.9 81.4



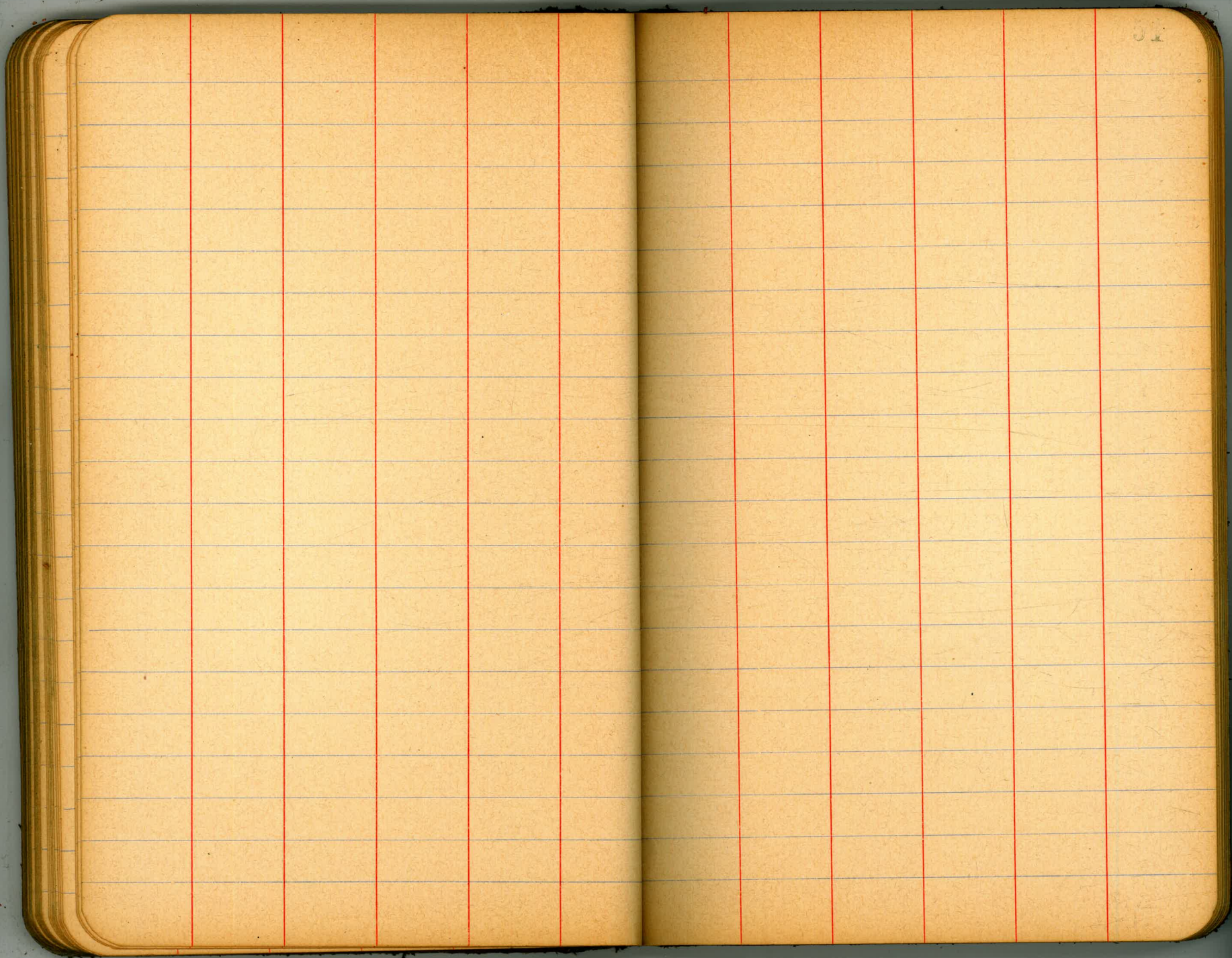
47

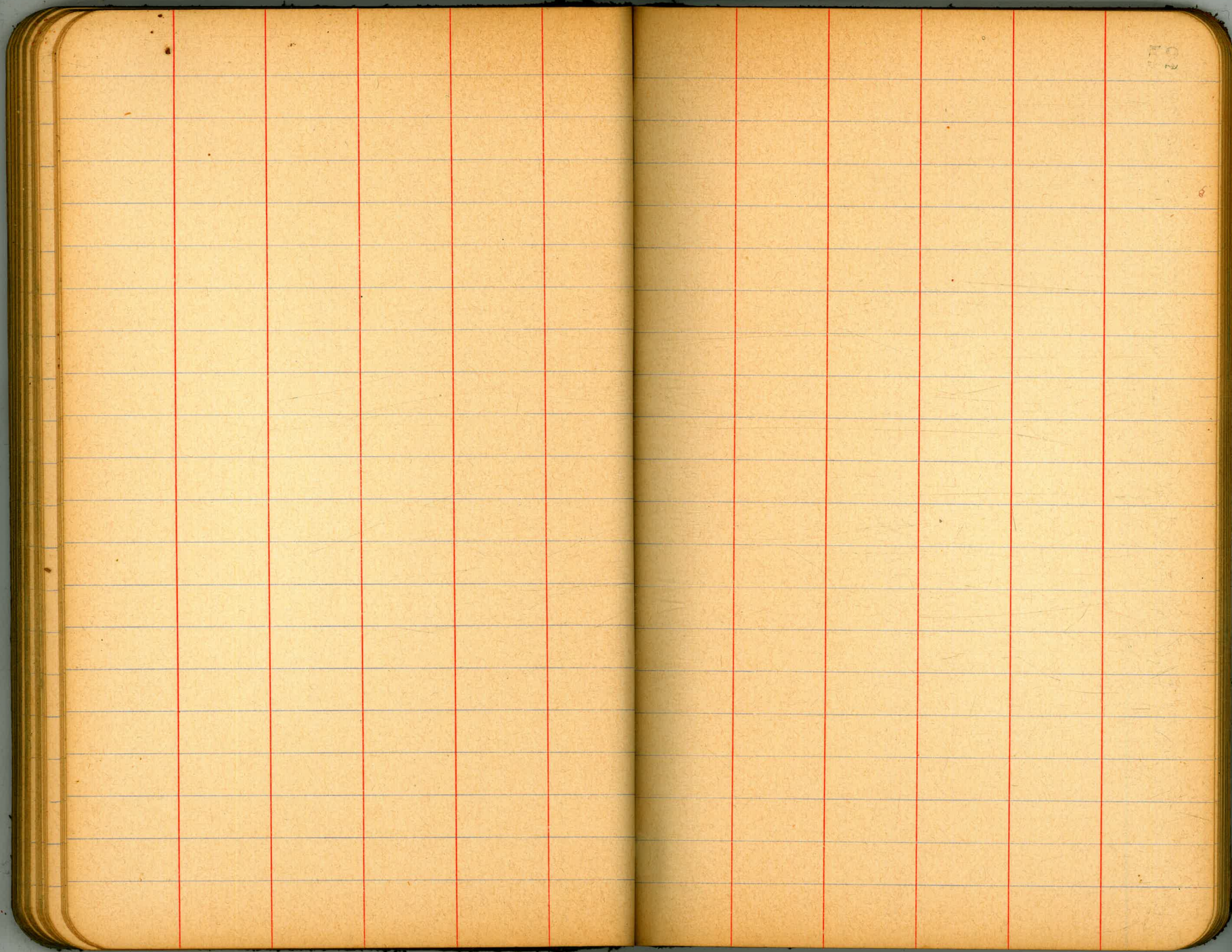




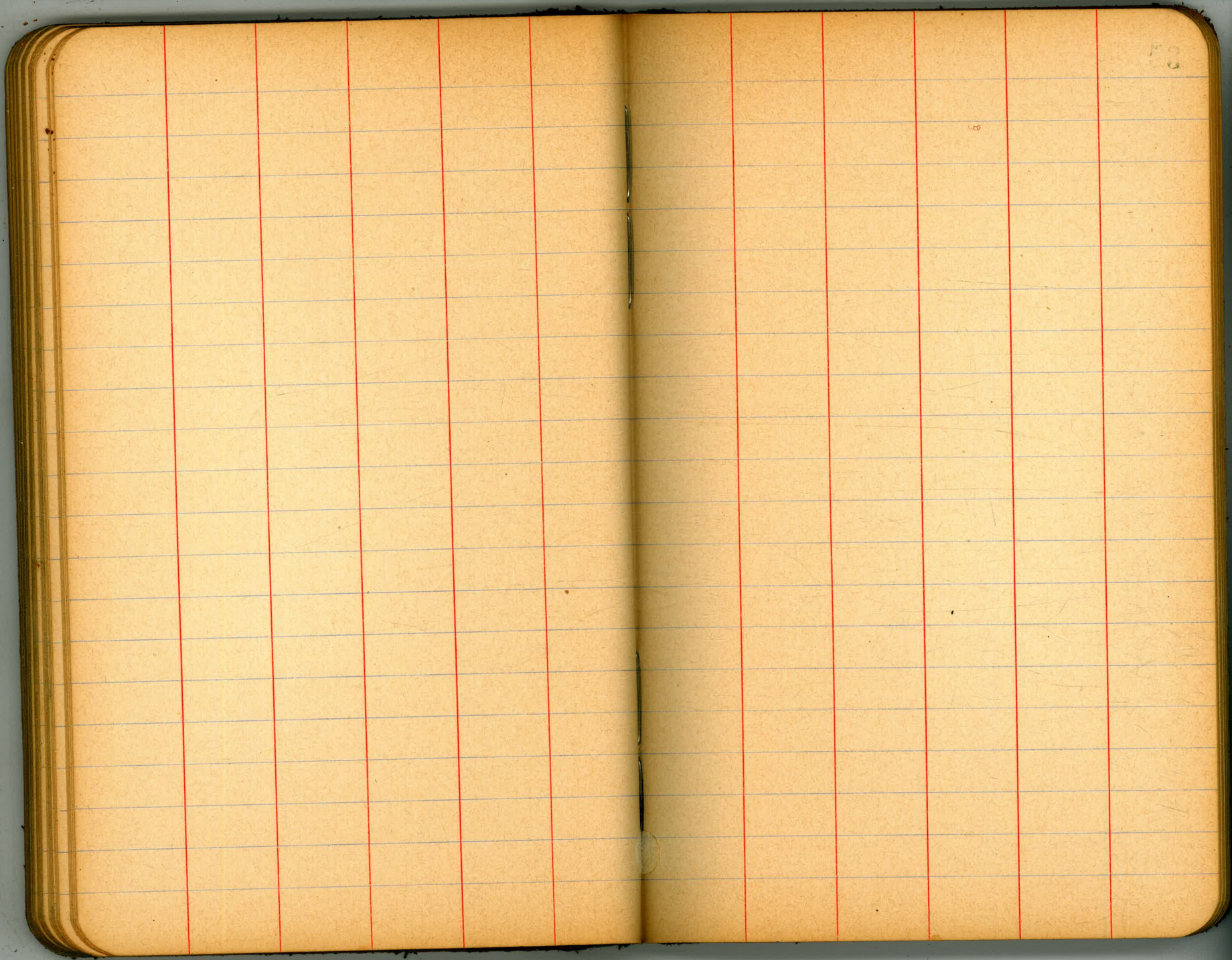


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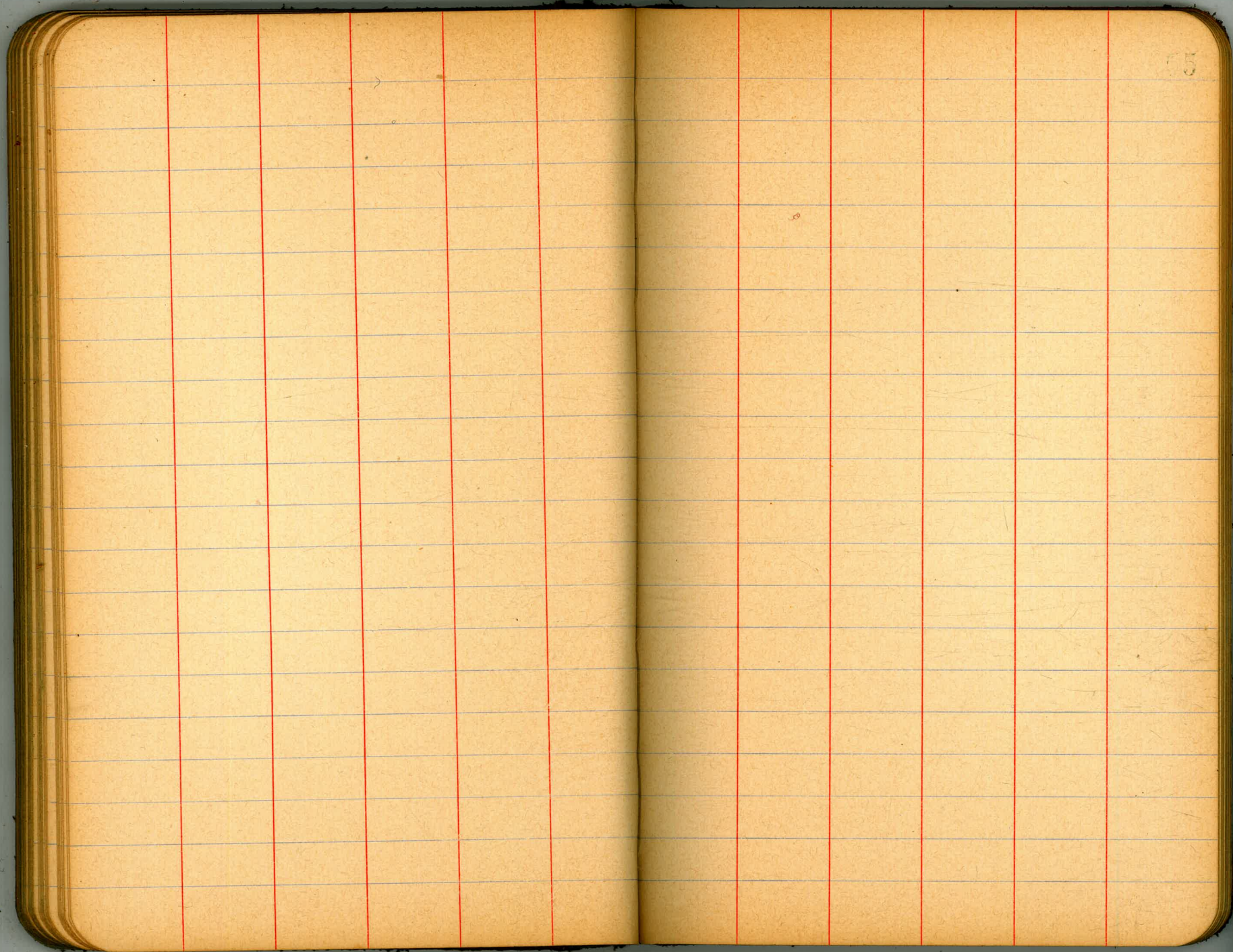




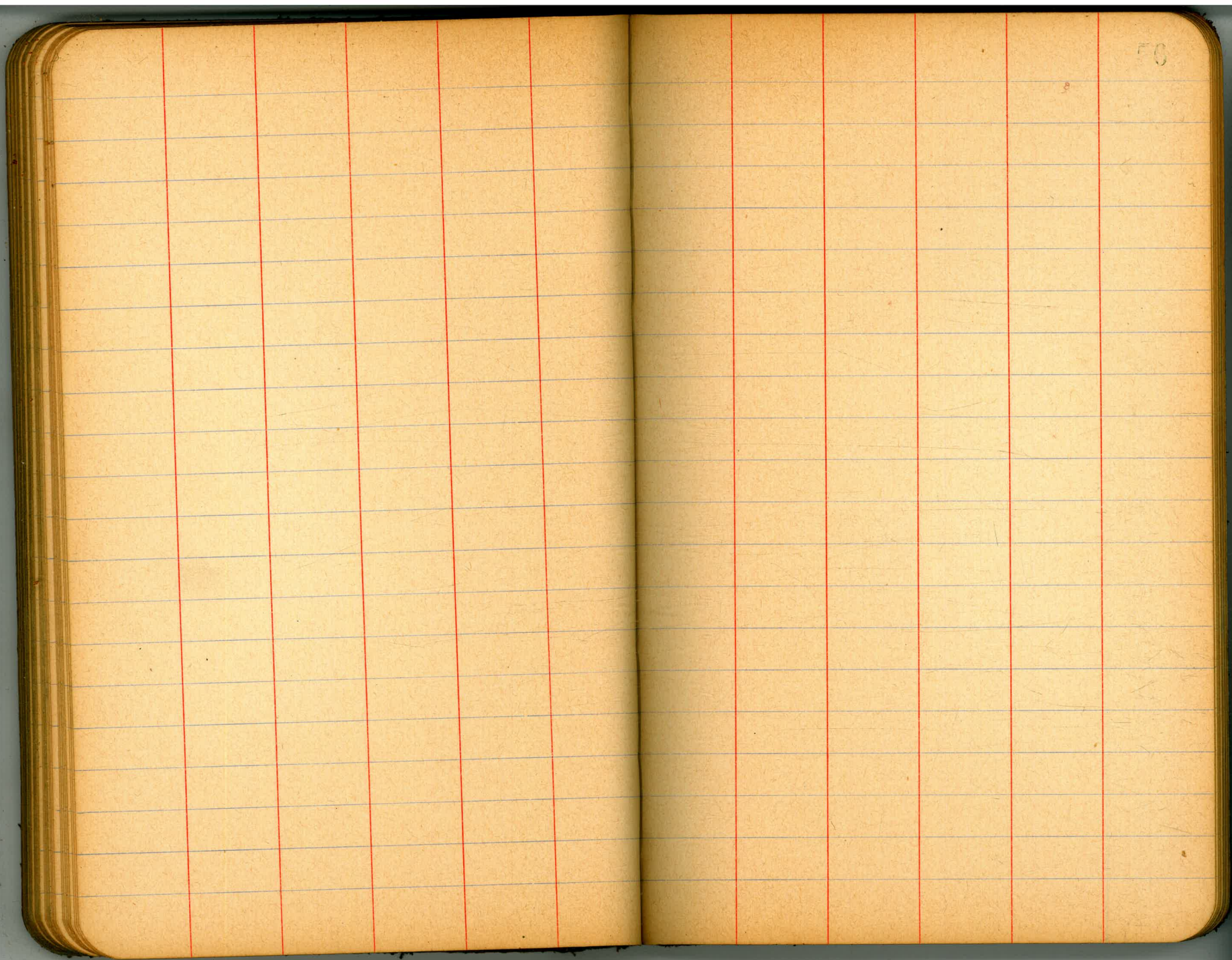
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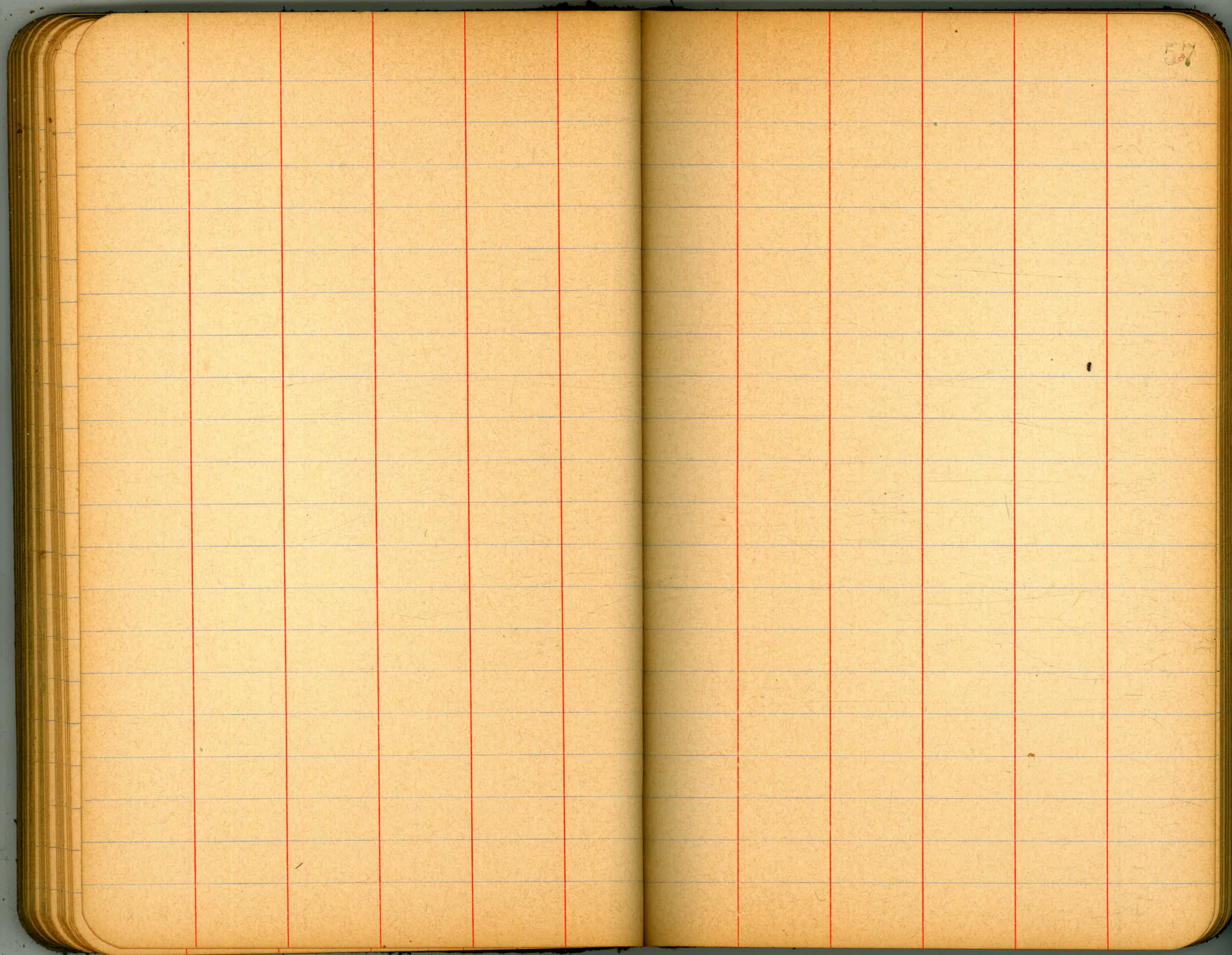




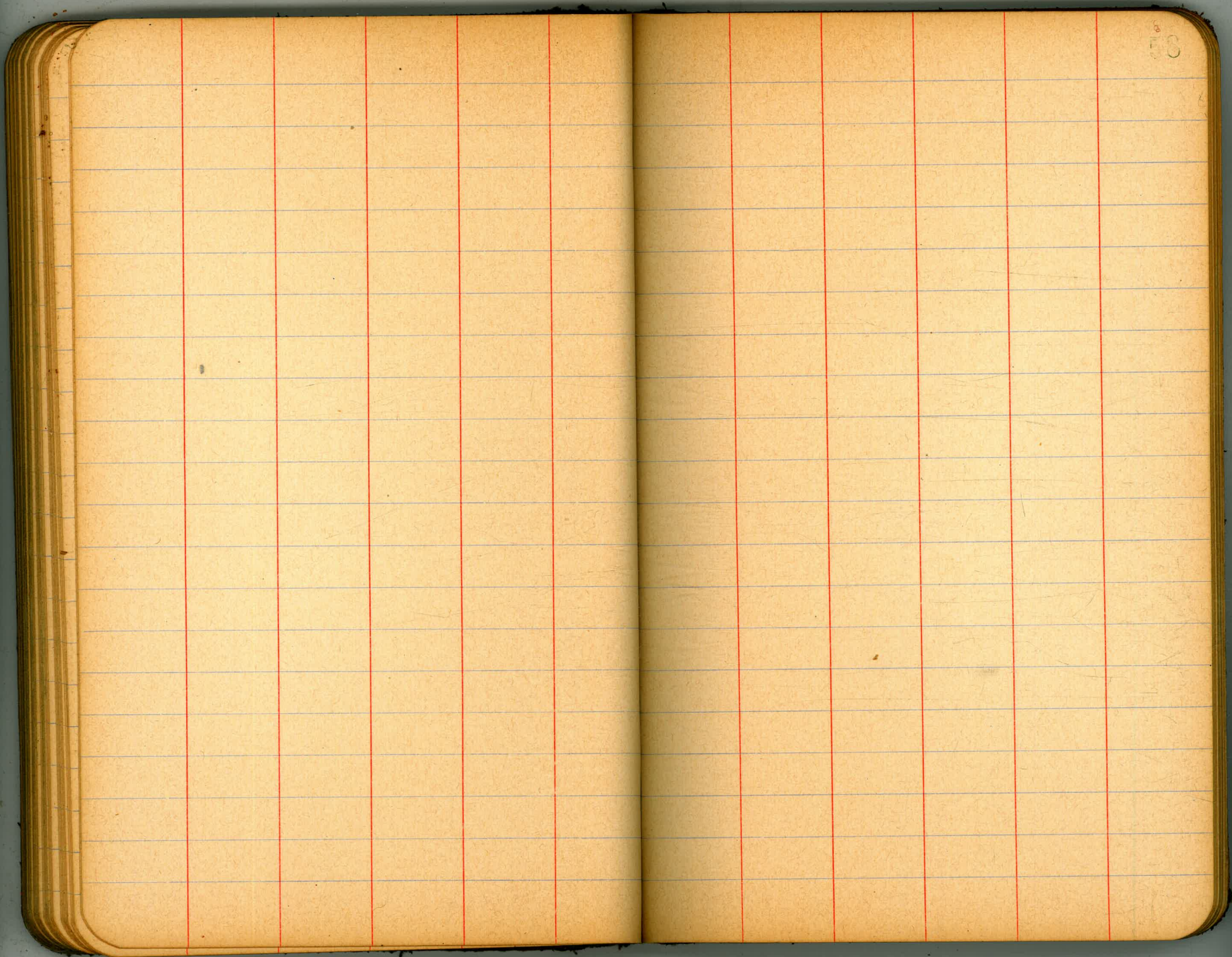
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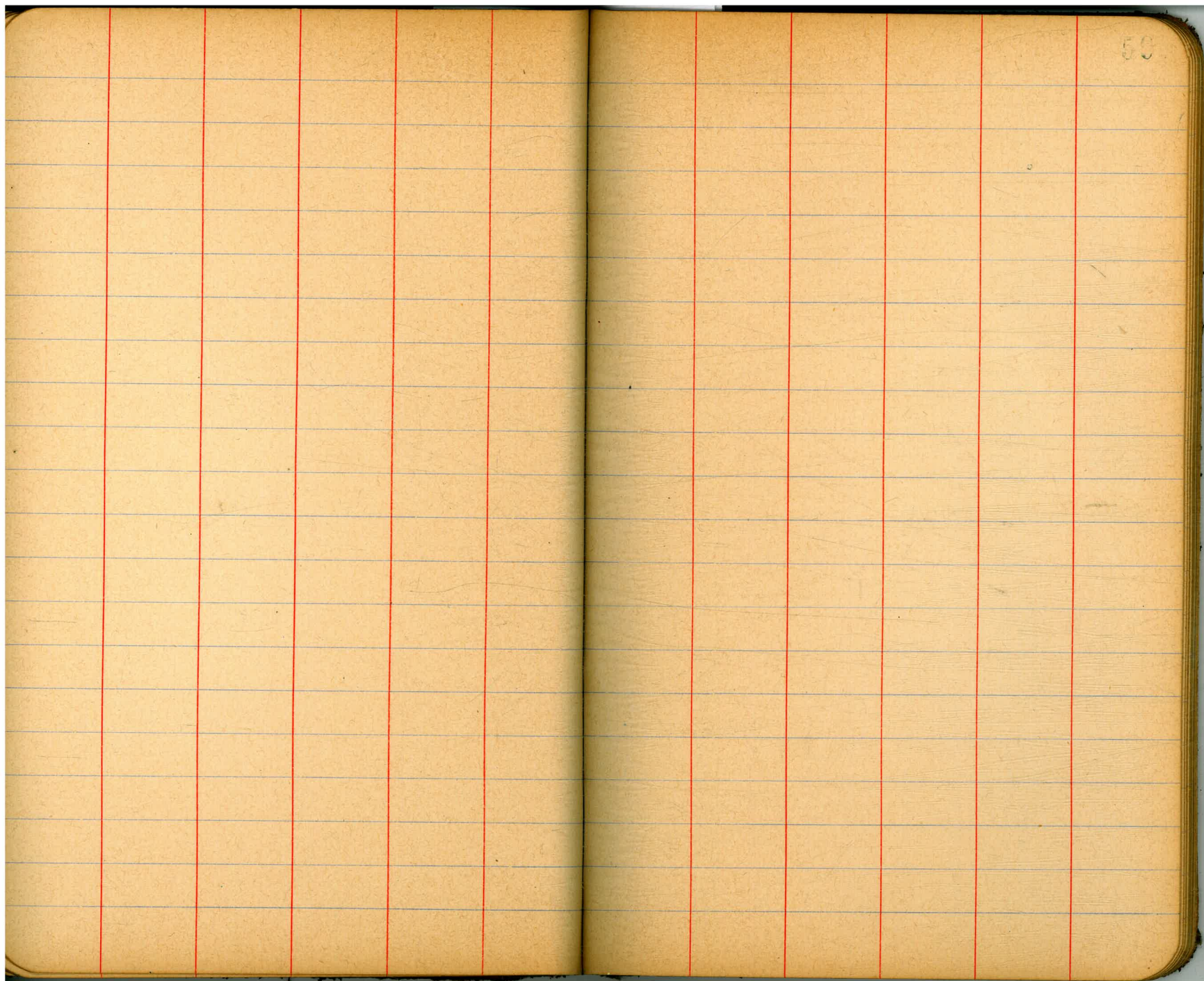
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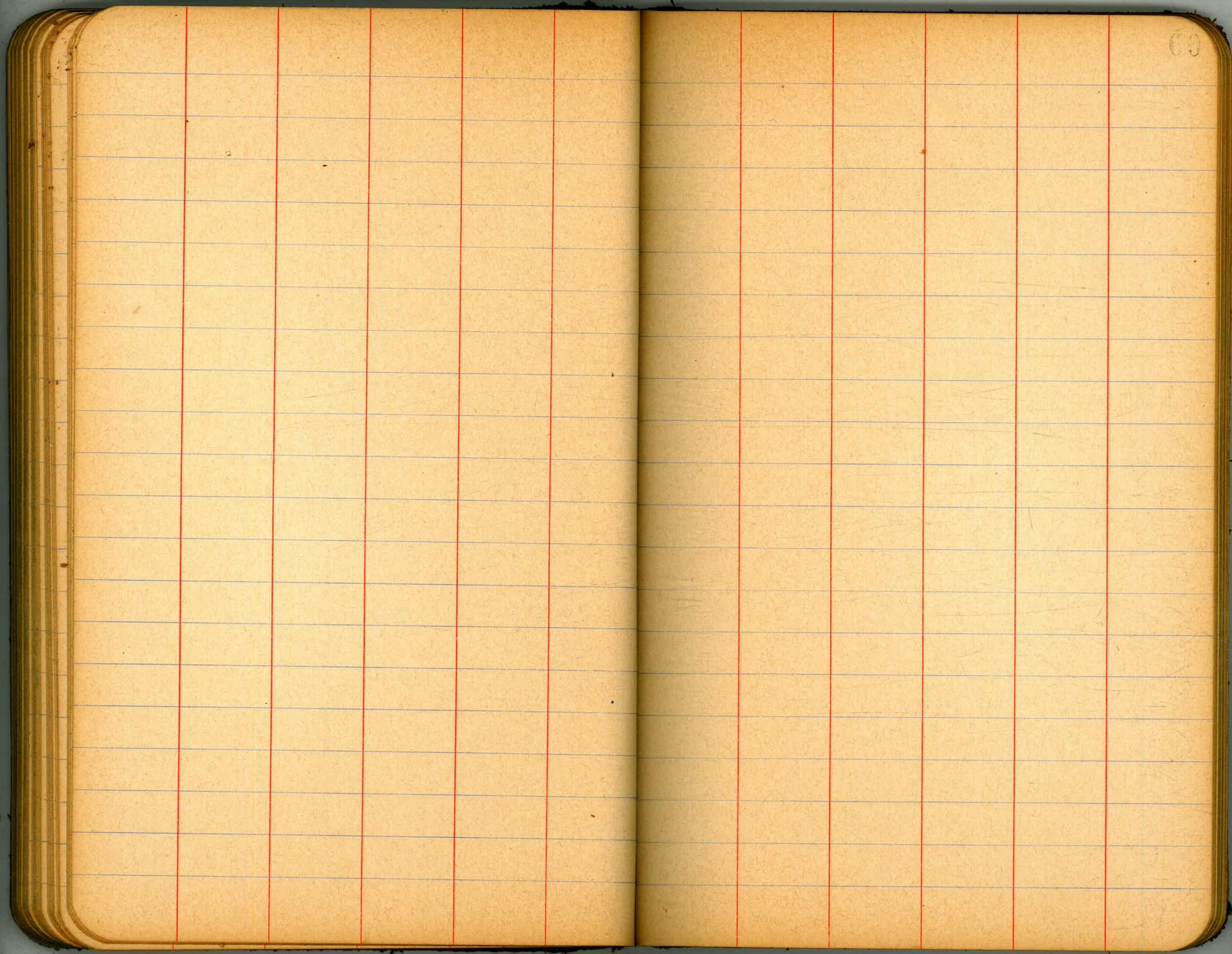
57

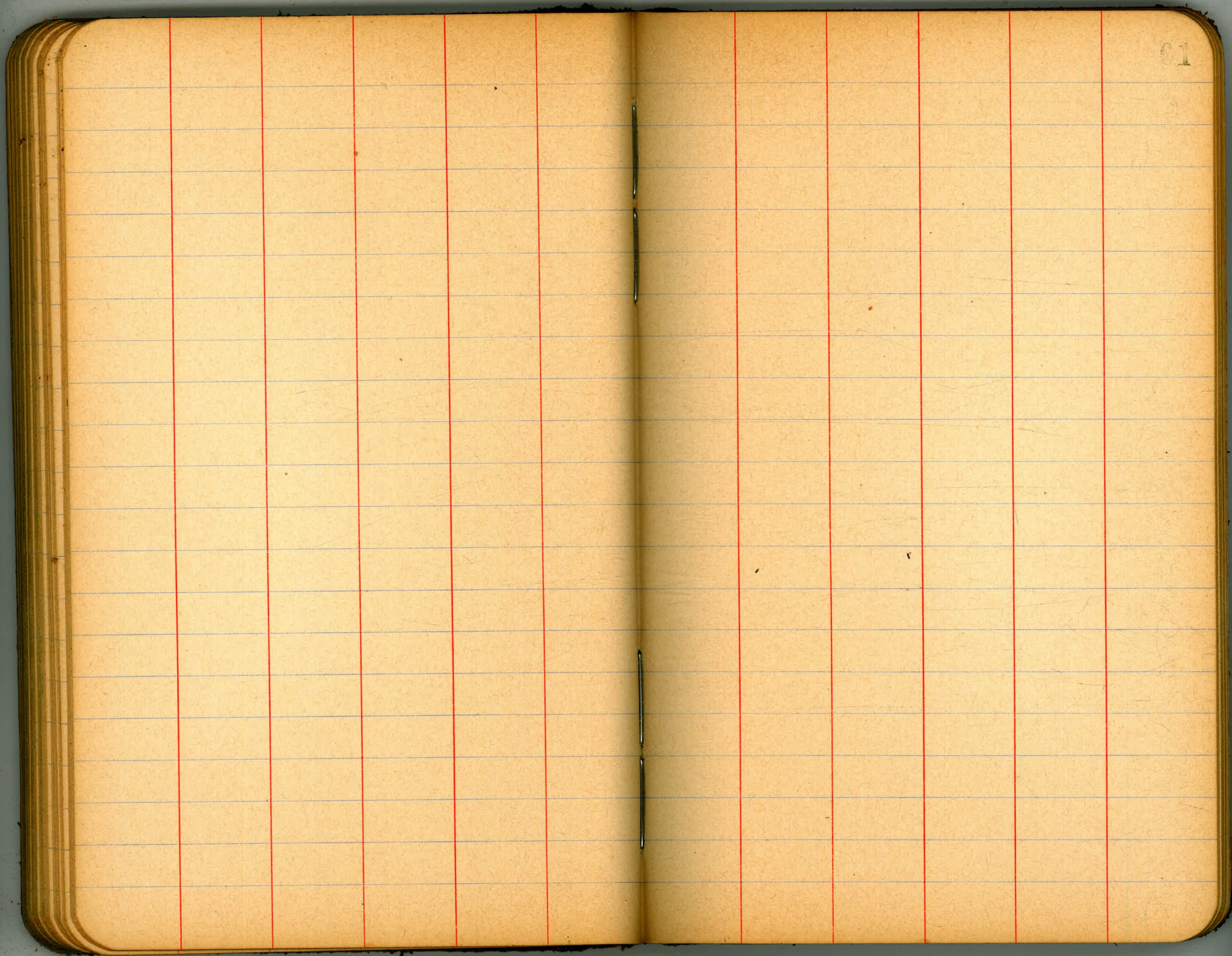


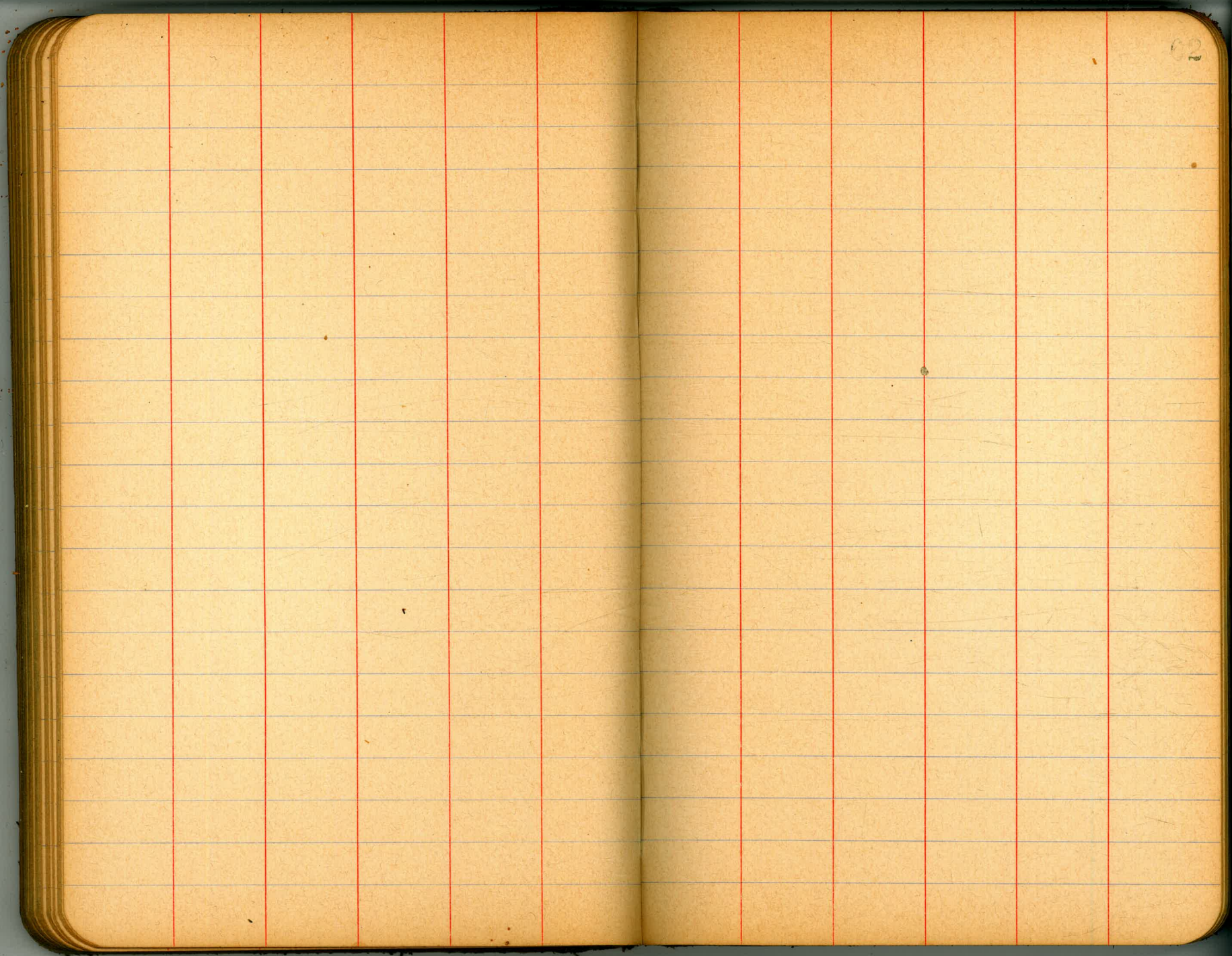
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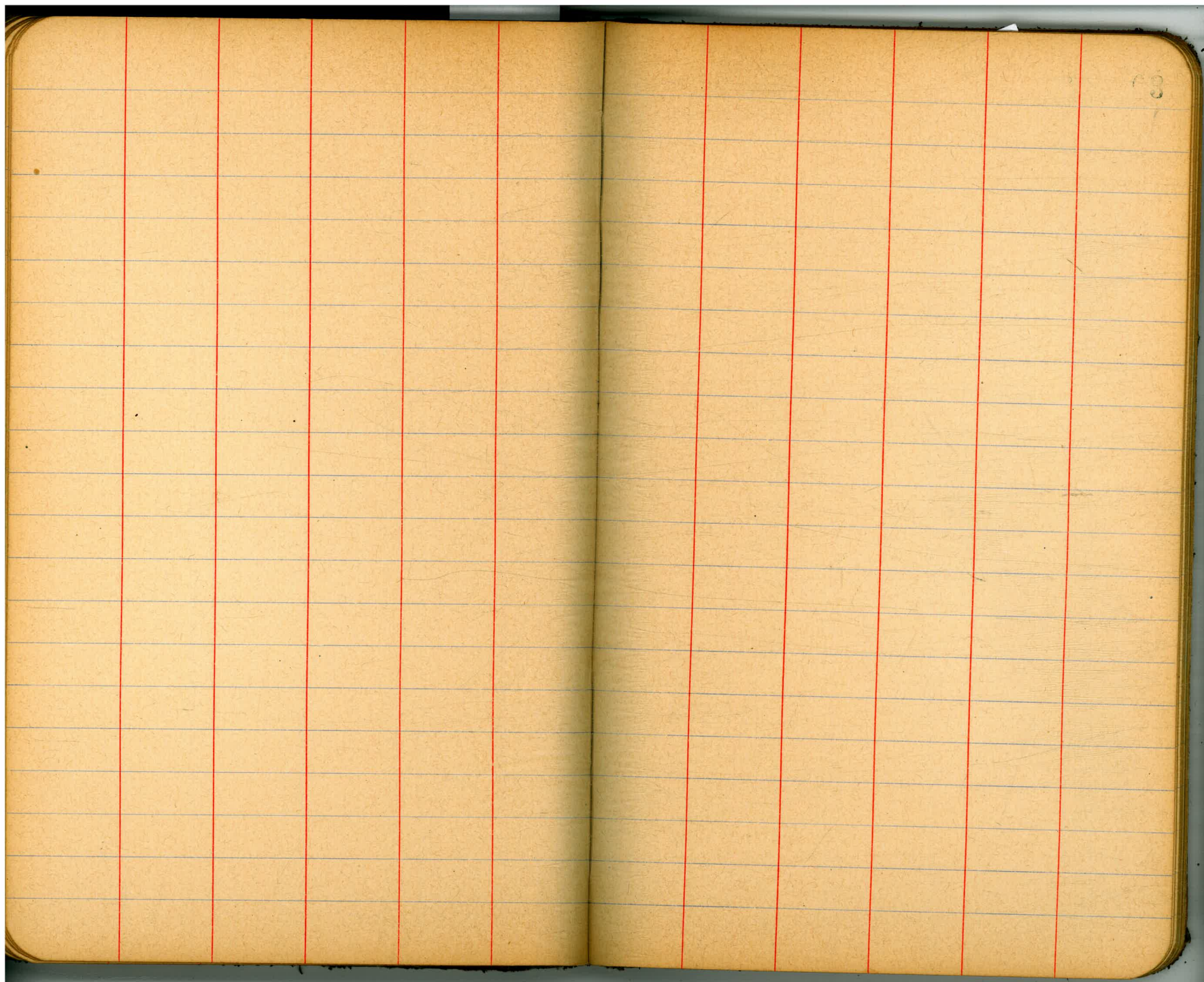
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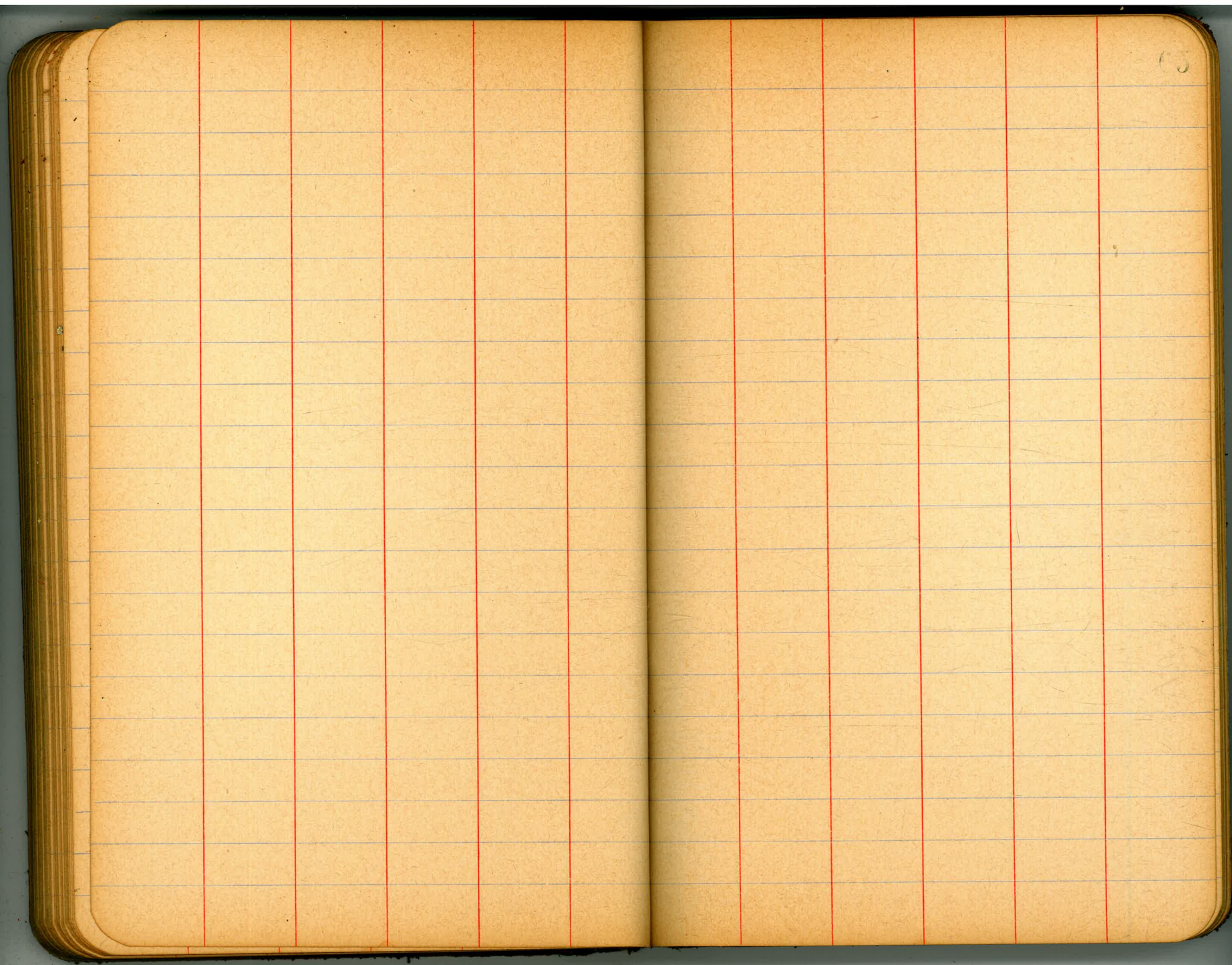




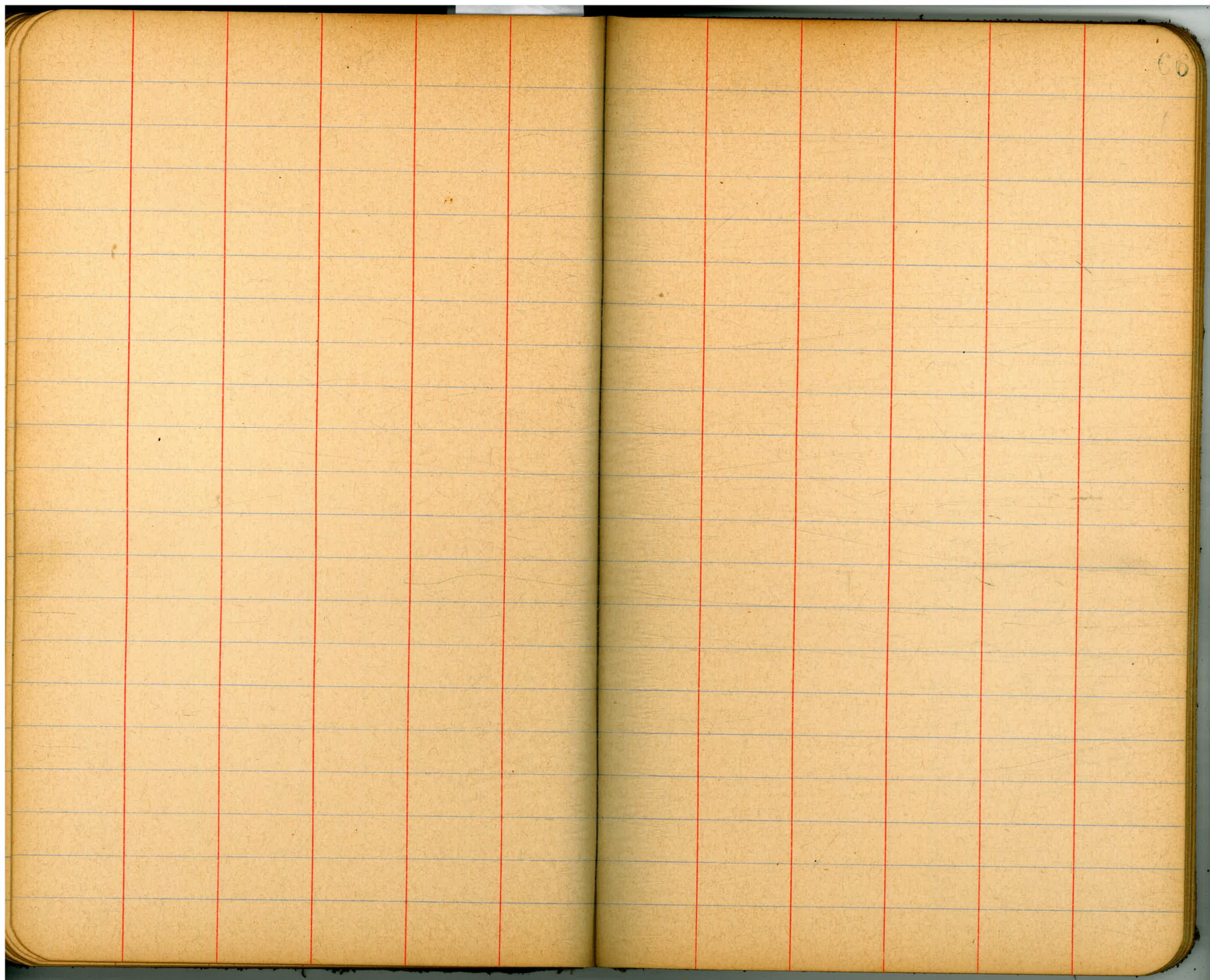


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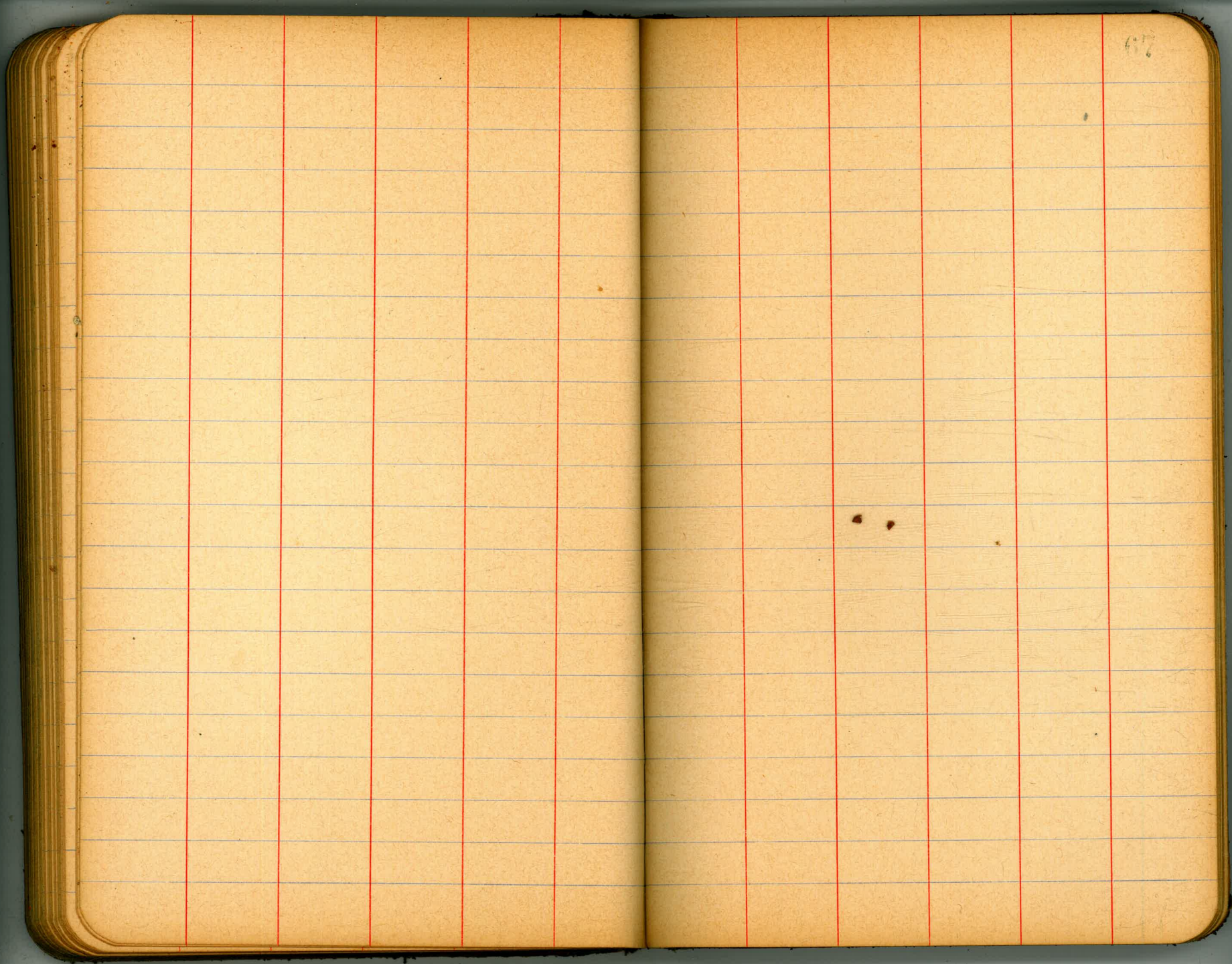




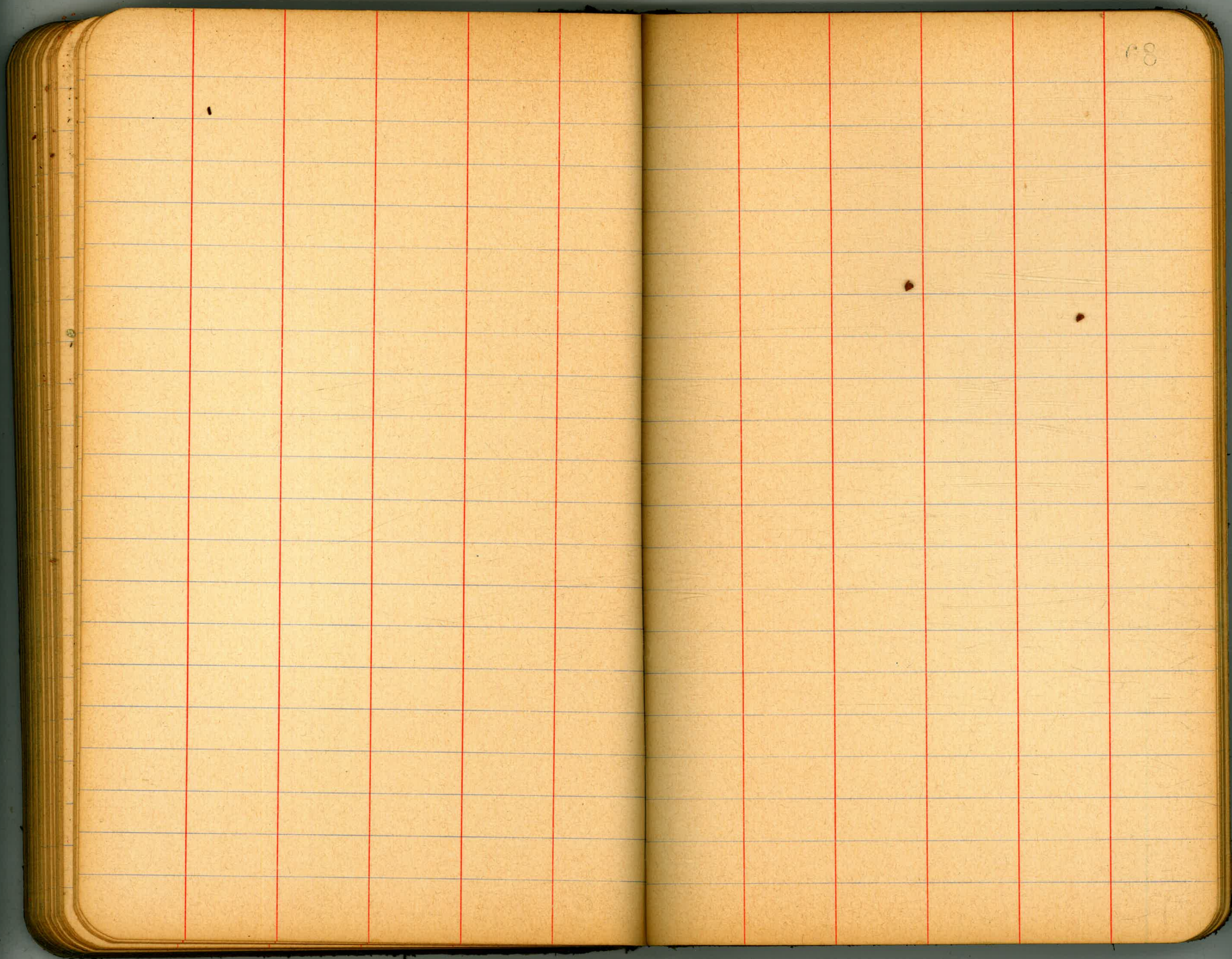
65



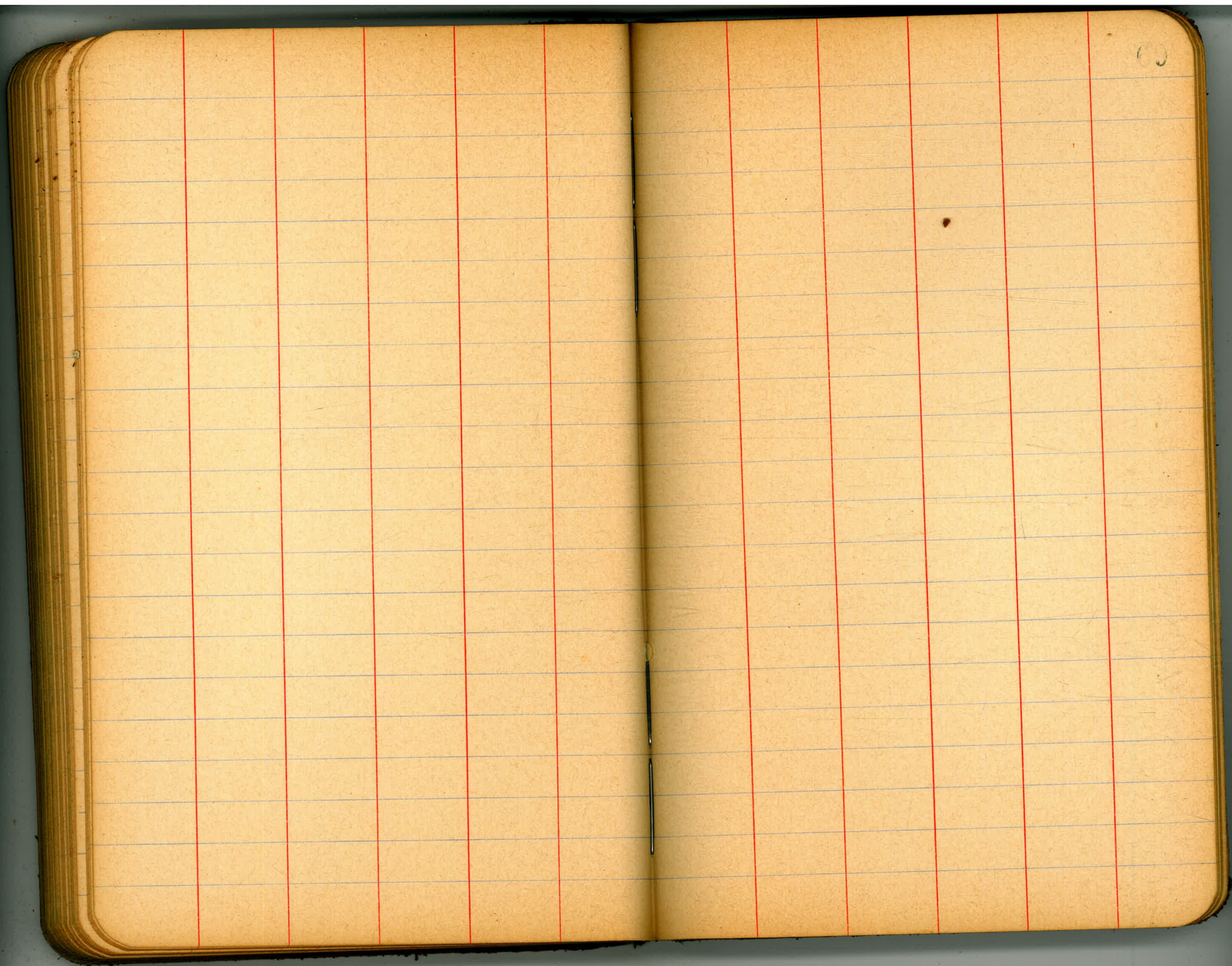
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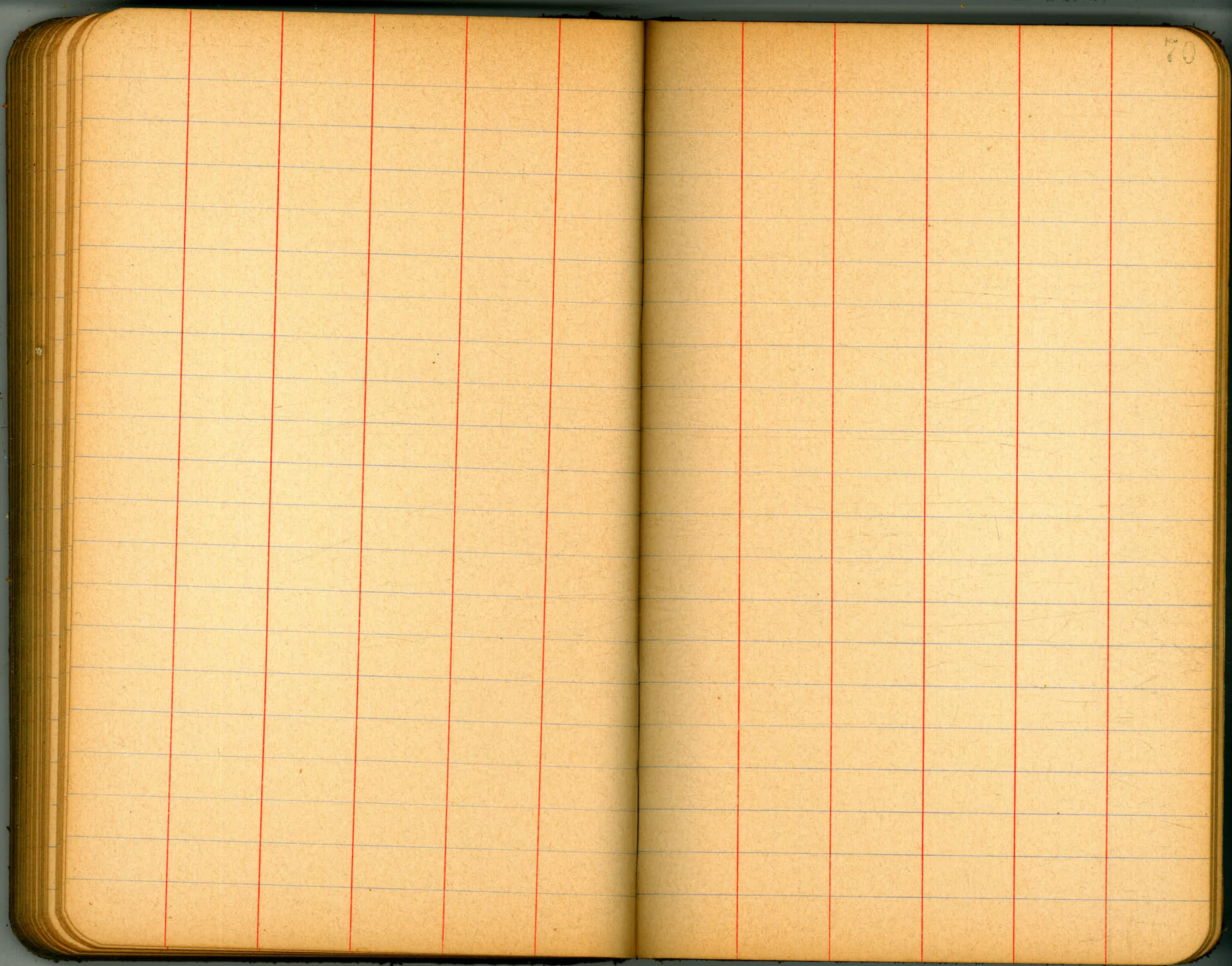


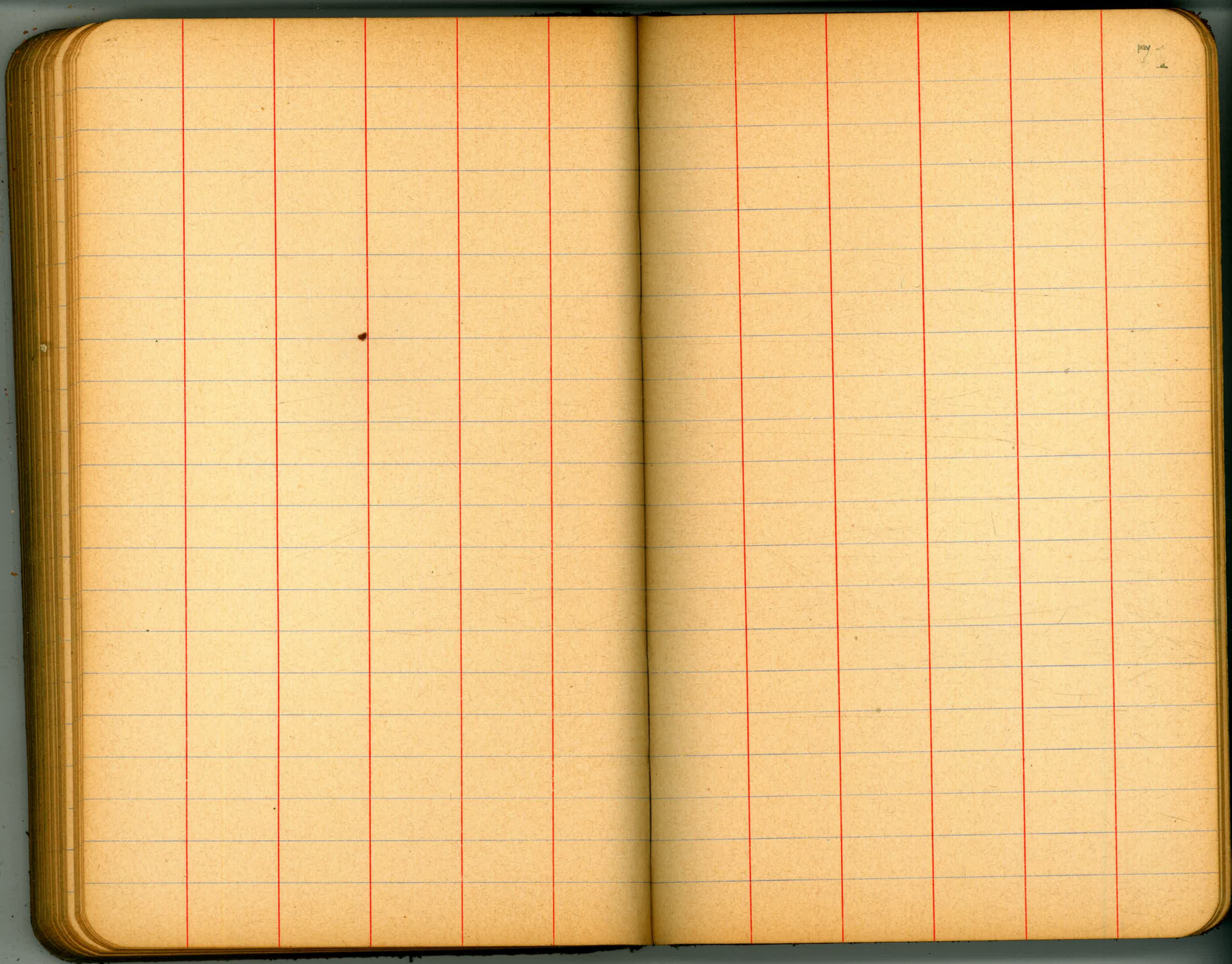
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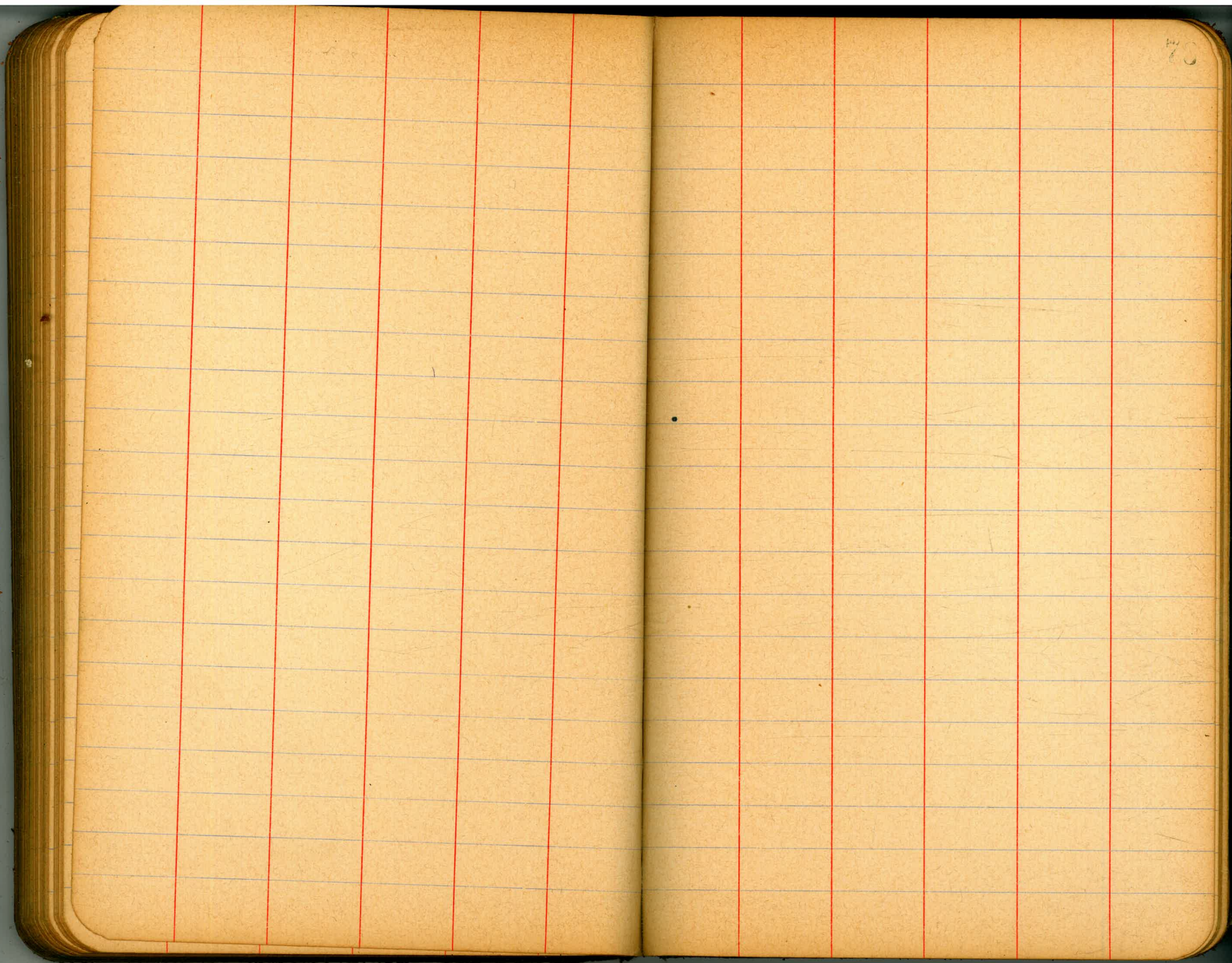
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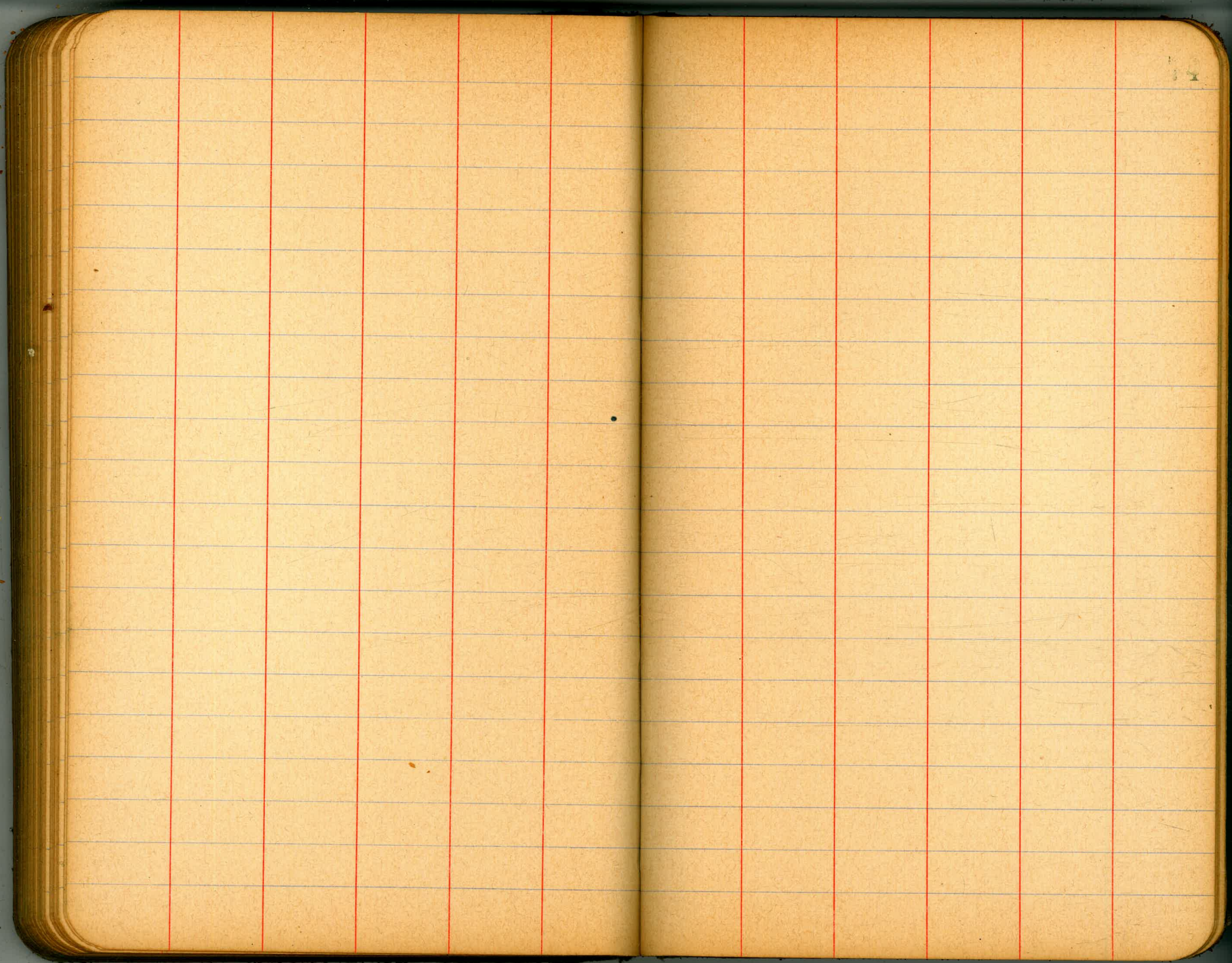


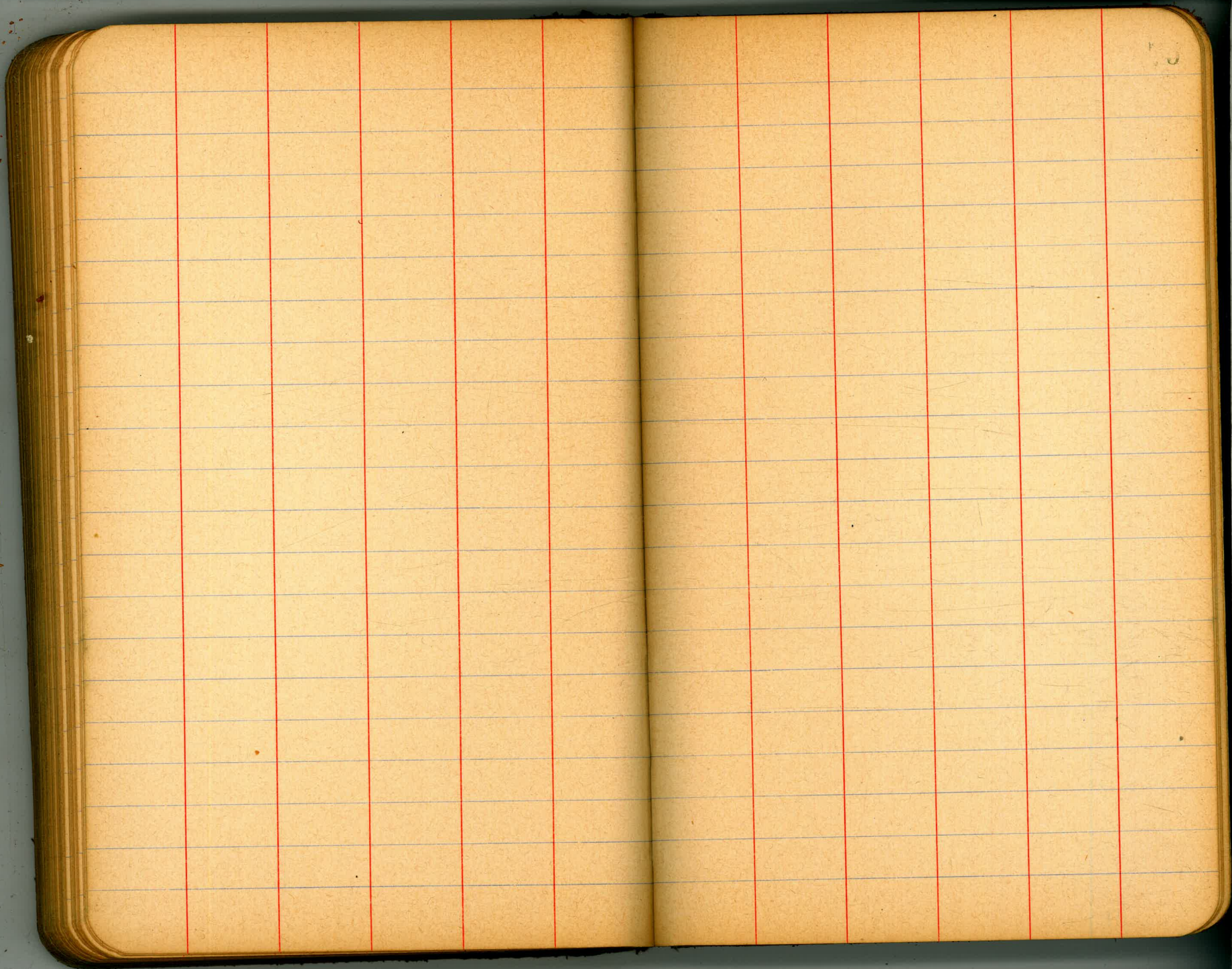


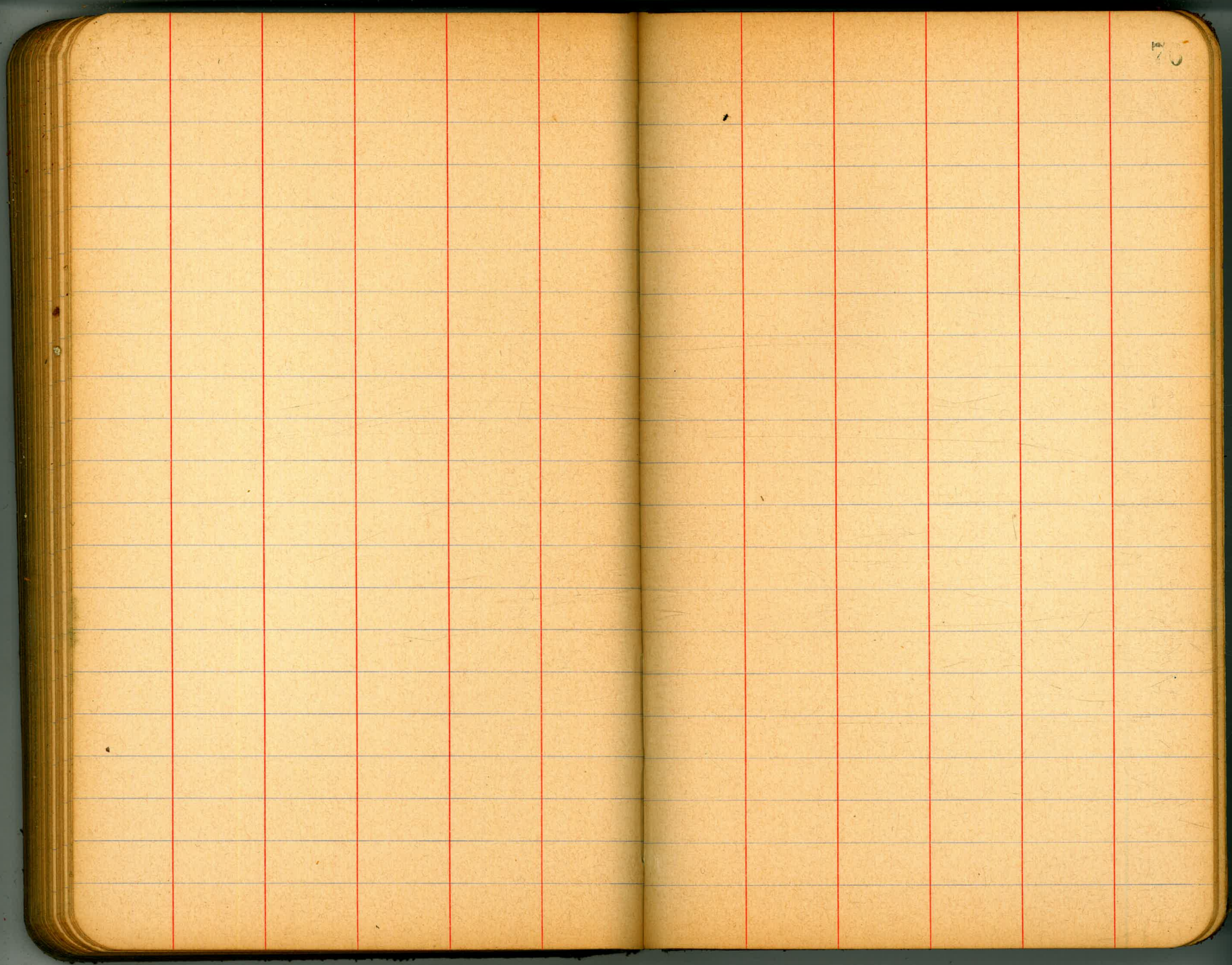


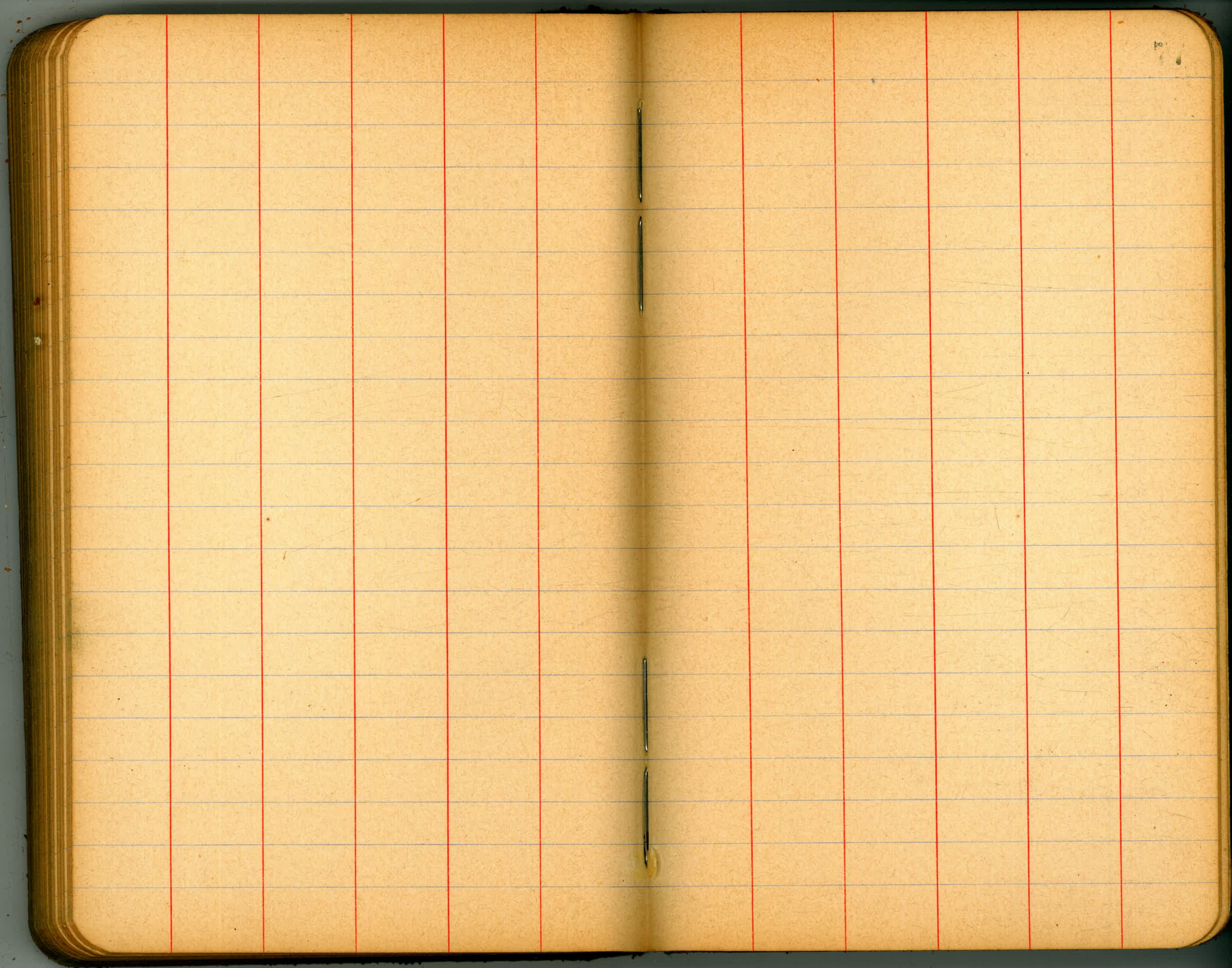
71











112
185

W.L. Bancroft

8' W
47
50
63
70

motion 100 90
move out 112 Eit. 120 3'

140 can go E 3
155
149 80
Either way.

30
50
75
105
change 105
change 141
163

58
45
7.55

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 14 FEET WIDE. SIDE SLOPES 1 1/2 TO 1.
FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.