

12
TRANSIT

398

W5Z

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		½ DEGREE.		¼ DEGREE.		¼ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0	99.98	1.75	100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	3.49	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	5.23	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	6.98	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	8.72	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	10.45	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	12.19	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	13.92	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	15.64	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	17.36	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	19.08	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	20.79	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	22.50	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	24.19	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	25.88	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	27.56	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	29.24	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	30.90	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	32.56	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	34.20	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	35.84	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	37.46	92.55	37.86	92.39	38.27	92.22	38.67	68
22	92.72	39.07	91.88	39.47	91.71	39.87	91.53	40.27	67
23	92.05	40.67	91.18	41.07	91.00	41.47	90.81	41.87	66
24	91.35	42.26	90.45	42.66	90.26	43.05	90.07	43.44	65
25	90.63	43.84	89.69	44.23	89.49	44.62	89.30	45.01	64
26	89.88	45.40	88.90	45.79	88.70	46.17	88.50	46.56	63
27	89.10	46.95	88.09	47.33	87.88	47.72	87.67	48.10	62
28	88.29	48.48	87.25	48.86	87.04	49.24	86.82	49.62	61
29	87.46	50.00	86.38	50.38	86.16	50.75	85.94	51.13	60
30	86.60	51.50	85.49	51.88	85.26	52.25	85.04	52.62	59
31	85.72	52.99	84.57	53.36	84.34	53.73	84.10	54.10	58
32	84.80	54.46	83.63	54.83	83.39	55.19	83.15	55.56	57
33	83.87	55.92	82.67	56.28	82.41	56.64	82.16	57.00	56
34	82.90	57.36	81.69	57.71	81.41	58.07	81.16	58.42	55
35	81.92	58.78	80.69	59.13	80.39	59.48	80.13	59.83	54
36	80.90	60.18	79.67	60.53	79.34	60.88	79.07	61.22	53
37	79.86	61.57	78.63	61.91	78.26	62.25	77.99	62.59	52
38	78.80	62.93	77.57	63.27	77.16	63.61	76.88	63.94	51
39	77.71	64.28	76.49	64.61	76.04	64.94	75.76	65.28	50
40	76.60	65.61	75.39	65.93	74.90	66.26	74.61	66.59	49
41	75.47	66.91	74.27	67.24	73.73	67.56	73.43	67.88	48
42	74.31	68.20	73.14	68.52	72.54	68.84	72.24	69.15	47
43	73.14	69.47	71.99	69.78	71.33	70.09	71.02	70.40	46
44	71.93	70.71	70.82						45
45	70.71								
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
DEGREES	½ DEGREE.	¼ DEGREE.	¼ DEGREE.	¼ DEGREE.	¼ DEGREE.	¼ DEGREE.	¼ DEGREE.	¼ DEGREE.	DEGREES

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.

Crocker Quality

TRANSIT BOOK



No. _____

MANUFACTURED BY

H. S. CROCKER CO.

SAN FRANCISCO AND SACRAMENTO CALIFORNIA

MICROFILMED

JAN 6 1965

MICROFILMED

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868
11 871

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EAST OF MORENA CR. & NORTH OF
COTTONWOOD CR.

STA	DIST	M.C.
		S 31 30 E
34	82	"
33	82	✓ S 0° 30' N
32	134	✓ S 60 20 E
32	315	✓ N 22° E
31	176	✓ S 71.10 E
3.0	105	↓ S 71 E
29	43	✓ N 13 40 E
28	74	↓ N 46 50 E
28		✓ S 14 10 E
27	106	✓ N 88 10 E
27	105	✓ S 35 50 W
26	142	✓ S 22 10 E
25	182	✓ S 23 20 E

Sunday May 5 1912

H.D. Hubbard
H. Paredes
P. MenagesN STHC" 53 $\frac{120}{280}$ 100
126100 90
62 344 - 210

Cross Road

Continued from page 65 Book II

46	225	✓	S 82 40 E
46	1125	✓	S 32 40 E
46	109	✓	S 82 40 E
45	102	✓	S 12 25 E
44	68	✓	S 65 40 E
43	70	✓	S 49 30 E
42	84	✓	S 81 10 E
41	122	✓	22 45 N 4
40	75	✓	N 28 45 E
39	92	✓	N 54 30 E
38	82	✓	S 74 50 E
37	59	✓	S 57 10 E
36	55	○	S 11 35 W
35	99	✓	S 84° E

50

49 89

48 52

47 95

✓ 38330⁵

✓ 365F

✓ 3955E

No equation

4

110

8	140	✓ S 40 E
7	120	✓ S 1° 30' W
6	130	✓ S 50 55 E
5	168	✓ S 13 40 E
4	108	✓ S 63 W
3	44	✓ S 72 50 W
2	150	✓ S 82 W
1	170	✓ N 63 50 W
0#125	180	✓ N 87 20 E
	198	✓
	142	✓
	125	✓
0	75	✓ N 63 30 E

90 Bank of creek

100

110

120

Left Bank of Cottonwood Creek
 Beg at "C" 44 = "H" 0

21 228

✓ S53°45W

20 270

✓ S48°55W

19 247

✓ S34°50W

edge of Branch

18 106

✓ S50°15E

17 180

✓ S110°5W

16 145

✓ S17°E

15 142

✓ S113°0W

15 127

✓ N63°40E

A C 57A39¹²⁰ 82

14 111

✓ S37°40E

13 71

✓ S25°10E

12 78

✓ S25°45E

11 125

✓ S48°05E

10 156

✓ S21°E

9 183

✓ S18°50E

6

110

ST# DIST

35 132

✓ N57 35 W

34 85

✓ S76 W

33 204

✓ S56 30 W

32 100

✓ S87 30 W

31 324

✓ N66 95 E

30 248

✓ N53 50 W

30 160

✓ S81 30 E

* C14 $\frac{120}{136}$

29 228

✓ N83 30 W

27 104

✓ N66 30 W

26 176

✓ N81 20 W

25 170

✓ N57 15 W

24 91

✓ S79 50 W

23 90

✓ N67 40 W

22 179

✓ S73 30 W

Road

7

110

STA DIST

MC

48	86	✓	S7030W
48	190	✓	S7130E
47	102	+	S6210E
46	99	✓	S1130E
45	98	✓	N61E
44	67	✓	N2810W
43	88	✓	N6955E
42	56	L	S12°E
41	105	✓	S5°05W
40	84	✓	S3530E
39	87	✓	S2835E
38	60	✓	S4130W
37	58	✓	S5915W
36	71	✓	S7525W

To STA C-8

120
73
720

8

110

H.A. Hubbard
H. P. Pender

62	83	← S2425E
61	32	✓ S650E
60	123	✓ S1640W
59	60	✓ S2350E
58	85	✓ S39E
57	73	✓ S41°W
56	69	✓ N6235W
55	108	✓ N8150W
54	73	✓ S2635W
53	59	✓ S4610E
52	20°	✓ S6°05W
51	77	✓ S48E
50	21°	
49	123	✓ S4720W

May 6 1912
night

9

110

305

L

100

200

✓

110

42 255

✓

S50W

-530 55 120

Contour 100 74

✓

N70W

-430 100

(5) Contour 100 128

✓

N6625W

-430 110

C 43 243

✓

S5045W

-510 120

66b 110 From 66 to point on 110 route S50W ✓

66a 151 From 66 " " S37E ✓ * STA C 1 ~~120~~
98

66 40

✓ S37E

65 63

✓ S1325W

64 145

L S4330W

63 132

✓ S48E

Island on 130° contour

520 I.

4 525 ✓ S 21 W

3 66 ✓ S 40 35 E

2715

2 84.5 ✓ N 42 E

1 40 ✓ N 18 45 W

I.0 72 ✓ N 86 10 W

C 9 181 35 20 ✓ N 69 50 W

C 9 106 4° 06' ✓ N 30 10 W

C 9 115 42° 51' ✓ N 77 10 W

R

140	150
15	10
140	150
2	5

140	150
10	20

140
40

★ 130 Island

-50 ★ 120

-450 ★ 120 *Chain of 123 between these points.*

B S on C 8'

11

120°

STA DIST L R CC MC

✓ 59 19' N 63 28' E N 63 30' E

5753 N 53 44' W

330°

✓ 25 13 N 29 22' E N 30' E

C.P.1 180

✓

100 339.10 ✓

123 256 ✓

235 208.30 ✓

242 187.10 ✓

185 160.50 ✓

190 102.50 ✓

215 72.30 ✓

188 50.45 ✓

C.P.N.1 143 19.40 ✓

C.11 822° 124.35 ✓ N 40 9' E N 4° E

to C.P.N.2 N 63 18' E

to E.19 N 53 50' W

90

to C.53 N 29 22 1/2' E

100

-1120

-920

-450

-310

-520

-510

-5°

-510

-870

100

452

120

91

to C.P.N.1. B.S. on C.10

12

90 contour

4

3 220

✓ N3°W

2 400

✓ N2345^W

1 360

✓ N3750E

0 290

✓ S86E

0 130

✓ N5930W

Follow creek Bank LB @ W up stream

Beg at 90 contour 330' from CPNI

13

100 contour

STA	DIST	M C
0		
11	165	✓ N4405W
10	192	✓ N22E
9	204	✓ N3311E
8	115	✓ S8315E
8	235	✓ S4650W
7	215	✓ S4550E
6	240	✓ S4530E
5	44	✓ S4620W
4	170	✓ S2750W
3	102	✓ S5010W
2	84	✓ S8505W
1	150	✓ N2115W
0	112	✓ N5145W
CP No	180	✓ N6330E

elev of this post is 100.5 for 50'

= 452' from sta C 11

14

Base Lines-

No 1- 600' long.

July-13-1912
M^cIntosh
Swensen
Lauterbach.

Begining from Pt. on Rock from
which Δ s were turned, in old survey
running 600' in general westerly
direction to hub - pole marked
"B, E"

Also Line from C₁₁ to Pt. on Rock
822' assumed as Base Line.

Base Line-No. 2.

44.90	37. ⁵³ ₅₆
45. ³⁴ ₉₅	43. ⁷³ ₇₈
45. ⁸⁵ ₇₆	44. ⁵⁹ ₆₂
44. ²⁵ ₀₀	42. ³² ₈₅
43. ⁸⁴ ₃₃	43. ⁰⁰ ₂₆
45. ⁶¹ ₅₈	44. ⁷⁵ ₈₃
42. ⁵⁸ ₇₈	44. ⁸³ ₉₄
44. ⁷⁸ ₂₂	45. ³³ ₈₉
43. ⁵⁶ ₄₇	44. ⁸⁹ ₉₈
622. ⁴⁷ ₃₇ ✓	659. ⁹⁸ ₉₈ ✓
<u>660.00</u>	

$$\begin{array}{r} 144 \\ 56 \\ \hline \end{array}$$

July-14-12
 Mcintosh
 Swensen
 Lauterbach.

Beginning from + cut in low flat rock about 1200' N. of Cottonwood River and near middle of flat run 660° in general N.W. direction (toward the 2 small peaks).

Cross on rock + has range pole marked B_{2S} - other end, pole marked B_{2E}

Base Line No. 3. Marked B_{3s} and B_{3E}

42. <u>20</u>	42. <u>75</u>	
45. <u>32</u>	43. <u>88</u>	-
44. <u>75</u>	43. <u>17</u>	-
43. <u>04</u>	41. <u>18</u>	+L
42. <u>39</u>	40. <u>15</u>	+L
46. <u>19</u>	46. <u>18</u>	-1
40. <u>14</u>	42. <u>40</u>	+L
41. <u>17</u>	43. <u>05</u>	+L
43. <u>17</u>	44. <u>74</u>	-1
43. <u>88</u>	45. <u>31</u>	-1
<u>432</u> <u>25</u>	42. <u>19</u>	-1
42. <u>75</u>	<u>475.00</u>	
475. <u>00</u>		

July-14-15
 McIntosh
 Swensen
 Lauterbach.

Base Line No. 4 Marked B_{4s} and B_{4E}

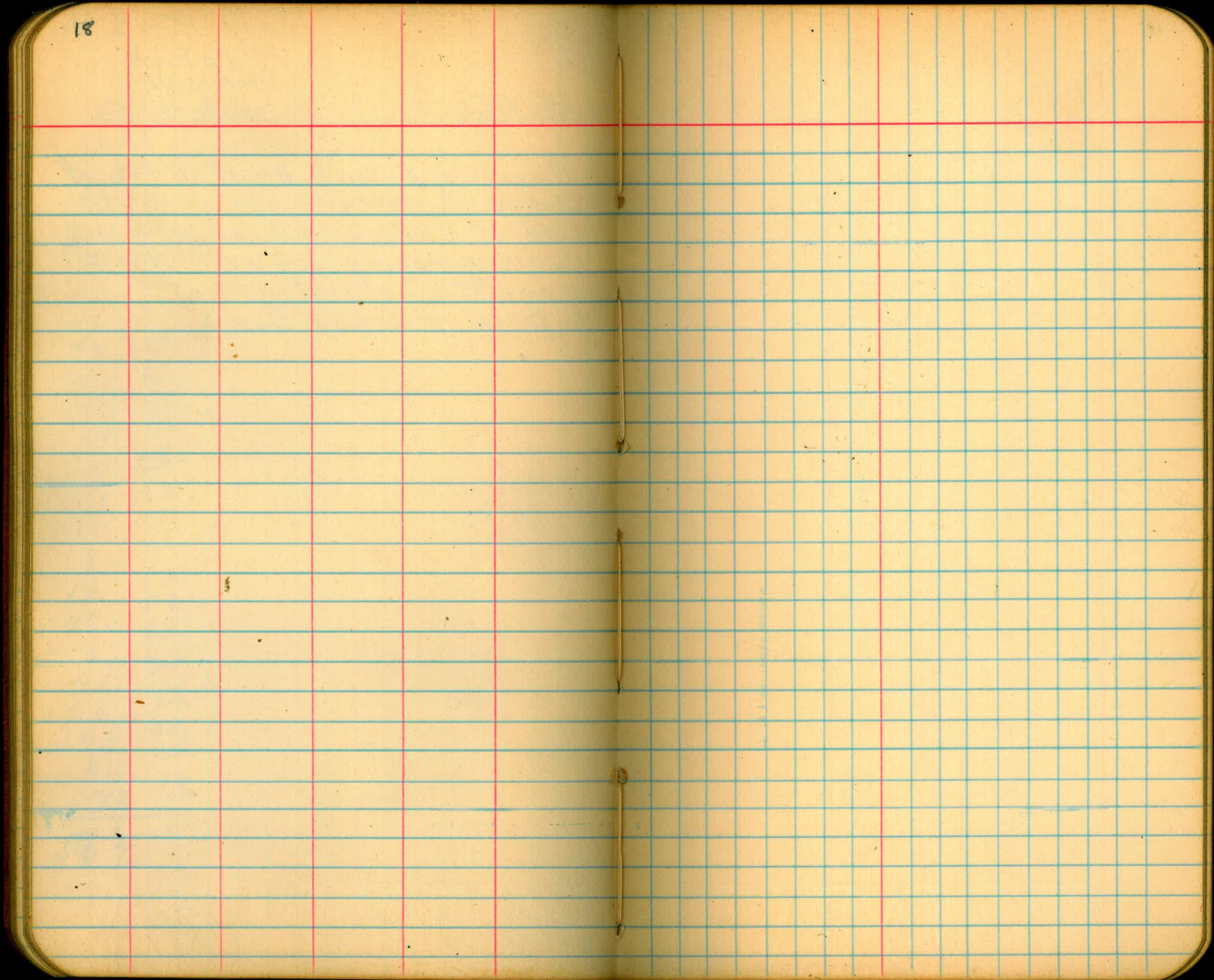
38. ²⁸
 16. ⁹⁹ ⁹⁸
 13. ⁰⁰
 35. ²²
 7. ¹⁵ ¹⁴
 12. ⁹⁹
 42. ⁶²
 43. ⁴⁸ ⁴⁸
 43. ²¹ ²²
 41. ⁶⁴ ⁶²
 37. ¹¹ ¹²
 7. ⁰⁸ ⁰⁶
 3. ¹²
 13. ⁹⁷
 ✓ 15. ⁴⁸ ⁴⁸
 8. ⁵² ⁵³
 18. ⁵⁸
 ✓ 40. ⁸⁰
 ✓ 6. ⁴⁵
 ✓ 21. ²⁹ ³⁰
 ✓ 26. ⁰⁰
 ✓ 43. ³⁴
 ✓ 42. ³⁹
 ✓ 39. ¹⁷
 316. ²⁴

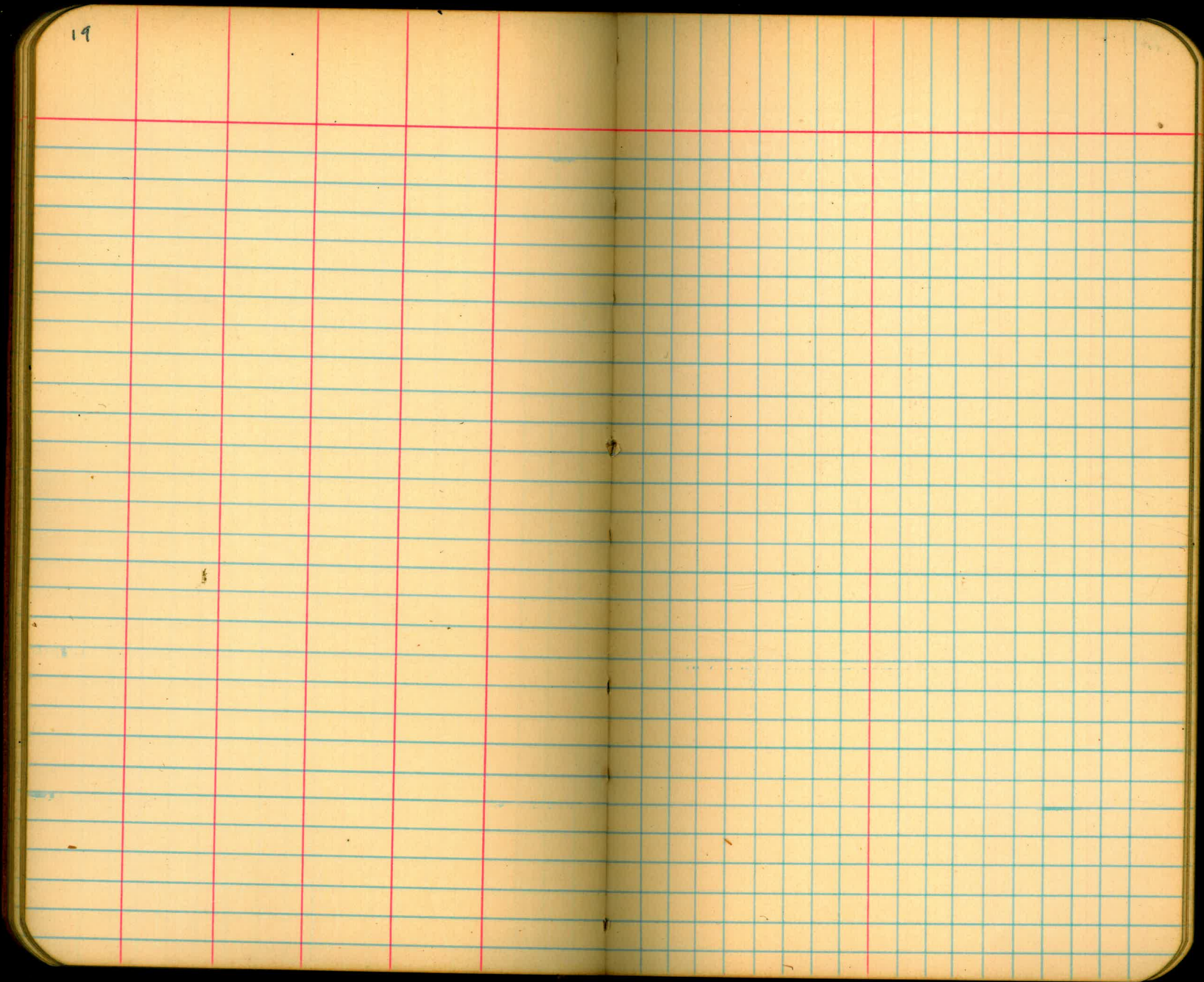
40. ¹⁵
 42. ³⁵

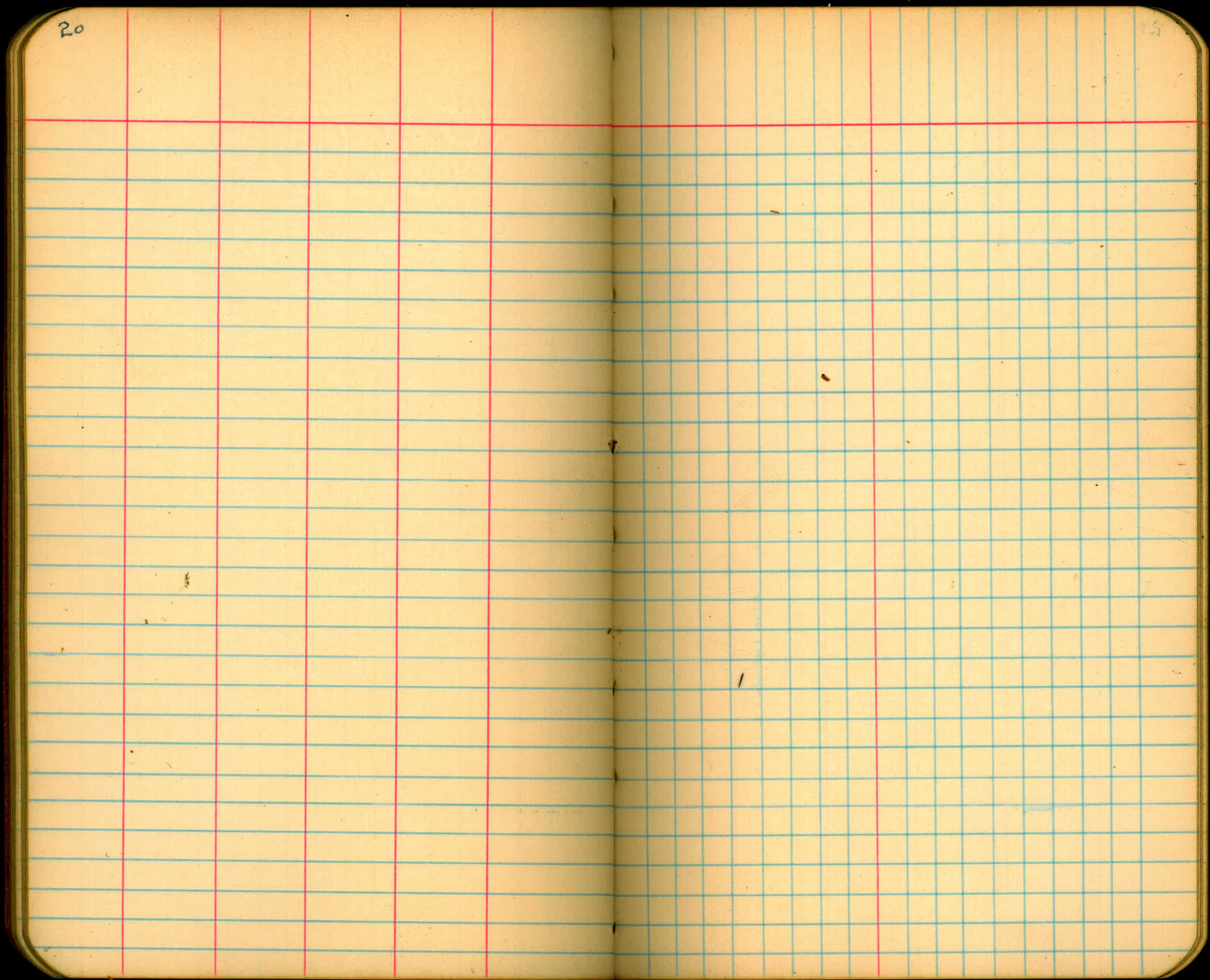
575.00
 50.
 574.50 = Base R.K.

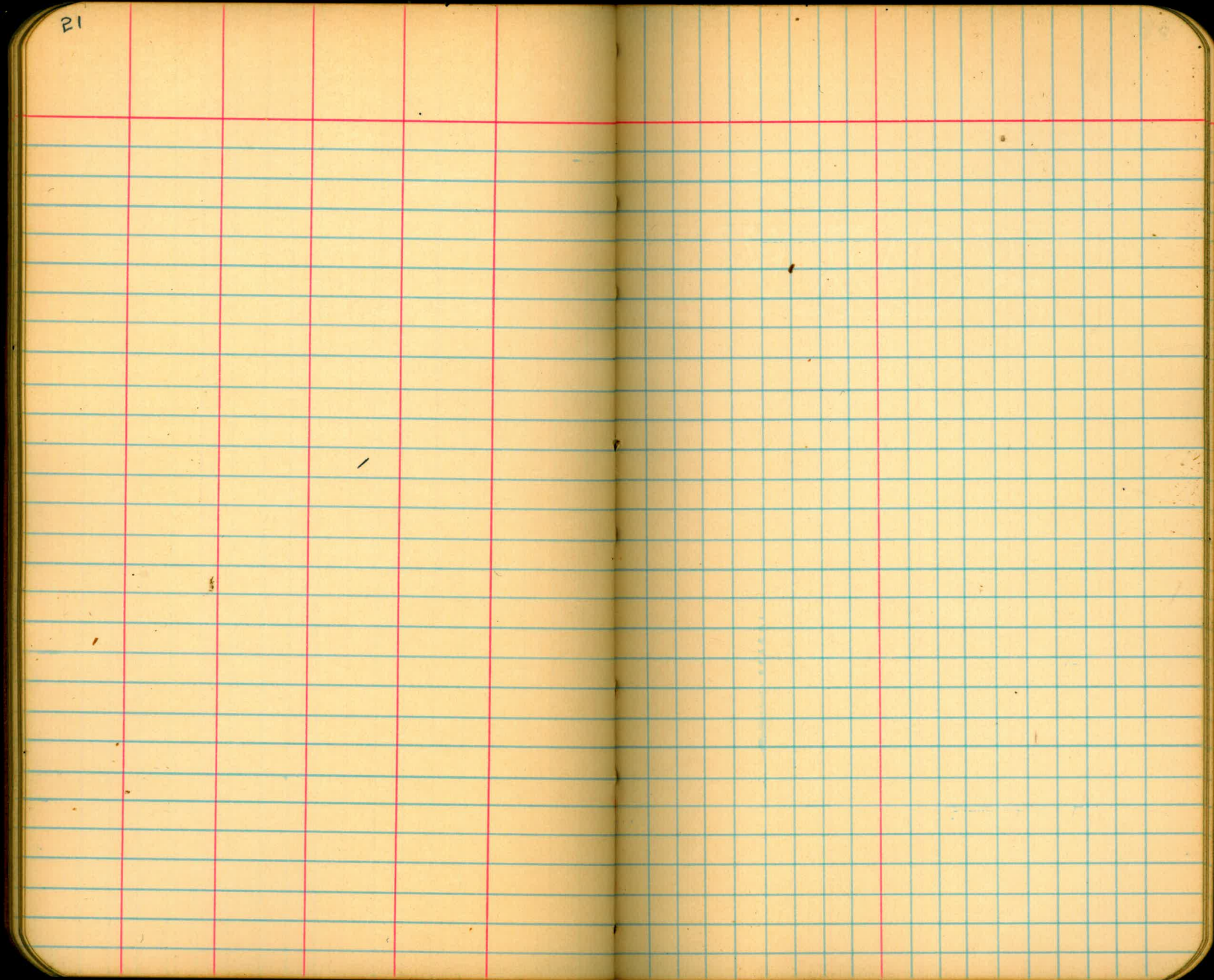
July 15-12
 M^{rs} Intosh
 Swensen
 Lauterbach.

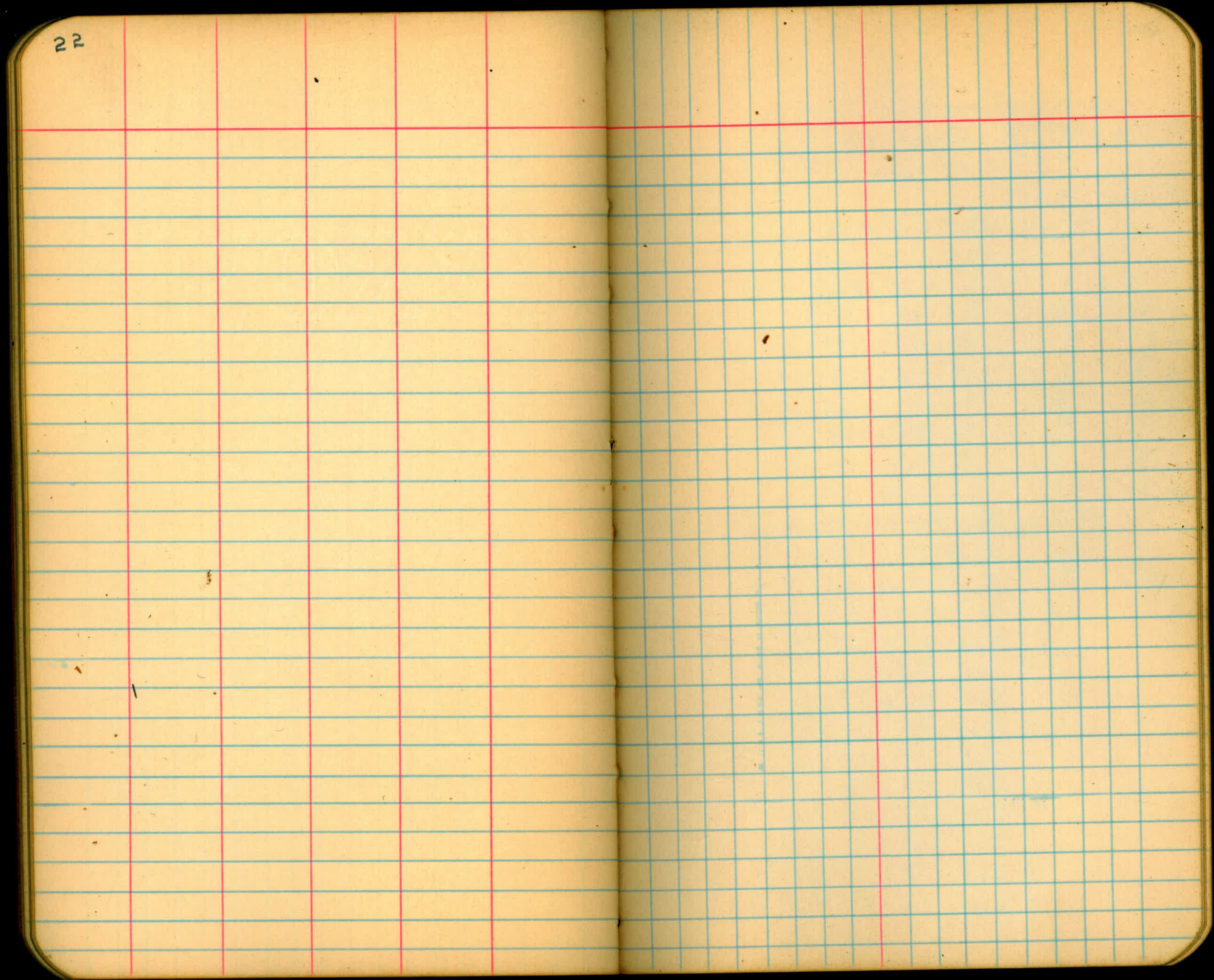
Beginning from a + cut on top of
 large cluster of rocks on south
 side of Cottonwood River bank and
 running nearly due west (N88°W)
 (magnetic) a distance of
 to pole marked B_{4E}.











Triangulation -

Sta. ^{Sighting to sta} Angles to Stations.

$A_{93}=E_0$ $A_{94}=C_0$

$Pt. K_1 - 12^{\circ} 19' Lt.$ ✓

$Pt. K_2 - 32^{\circ} 31' Lt.$ ✓

$C_{10} - 75^{\circ} 54' Lt.$ ✓

$\Delta A_{94}=C_0$ $A_{93}=E_0$ $C_1 = 105^{\circ} 22' Rt.$ ✓

$\Delta A_{94}=C_0$ $A_{93}=E_0$ $K_1 - 58^{\circ} 22' Rt.$ ✓

ΔK_1 $A_{94}=C_0$ $K_2 - 178^{\circ} 26' Rt.$ ✓

ΔK_2 C_{10} $K_1 - 166^{\circ} 30' Lt.$ ✓

" C_3 $K_2 - 35^{\circ} 47' Rt.$ ✓

ΔC_3 K_1 $K_2 - 133^{\circ} 20' Rt.$ ✓

ΔC_{10} K_2 $C_{11} - 69^{\circ} 33' Lt.$ ✓

" " $B_{15} - 172^{\circ} 54' Rt.$ ✓

" B_{15} $B_{15}E - 27^{\circ} 14' Rt.$ ✓

ΔB_{15} C_{10} $B_{15}E - 117^{\circ} 06' Lt.$ ✓

" C_{10} $C_{11} - 7^{\circ} 01' Lt.$ ✓

$C_{44} - 127^{\circ} 45' Lt.$ ✓+

$C_{42} 123^{\circ} 13' "$

$C_{40} 111^{\circ} 10' "$

$C_{16} 47^{\circ} 45' "$ ✓

$C_{39} 99^{\circ} 24' "$

$C_{37} 97^{\circ} 15' "$

$C_{35} 87^{\circ} 51' "$

$C_{32} 80^{\circ} 56' "$

$C_{26} 58^{\circ} 22' "$

$C_{30} 73^{\circ} 04' "$

July 18 - 1912
M. In'toshi
Witte
Lauterbach.

+ on big rock - flag marked K_1
+ " " " " " K_2
+ " " " " " C_{10}

Pt. on Rock - W. end Base Line B_1 .
E. End of Base Line B_1 .

Fred.

"

"

Unc.

Fred.

"

"

Unc.

Fred.

ΔBIE C₁₀ C₄₂ 153°33' Lt.
 C₁₆ 47°42' Lt.
 C₄₀ 135°27"
 C₃₉ 119°33"
 C₂₆ 73°55"
 C₃₅ 106°20"
 C₃₂ 98°03"
 C₃₀ 91°48"
 C₁₁ 5°33' Lt.

ΔBIE B₁₅ B₂₅ Rt.
 B_{2E} "
 ΔB_{15} B_{1E} B_{3E} Lt.
 B₂₅ Lt.

ΔB_{15} B_{1E} H₂₃-E₀ 143°13' Rt.
 C₄₄ 10°40' Lt.
 146°38' Rt.
 17°22' Lt.
 35°10' Lt.
 48°19' Lt.
 164°51' Rt.
 64°42' Lt.
 177°55' Lt. ^{o.k.}
 179°12' Lt.
 171°25' Lt.
 164°49' Lt.
 145°57' Lt.

Fred.

Unc.

Fred.

"

Unc.

Fred.

"

"

Unc.

Locating Base Line B₂

July 19-1912

Unc.

Fred.

Unc.

Fred.

"

"

Unc.

Fred.

Unc.

"

"

"

"

Locating Base Line #2

$\triangle B_{15}$	B_{1E}		$129^{\circ}50'$ Lt.
		B_{25}	$95^{\circ}15'$ Lt.
		B_{2E}	$86^{\circ}55'$ Lt.
$\triangle B_{1E}$	B_{15}	B_{15}	$73^{\circ}21'$ Rt.
		B_{2E}	$82^{\circ}58'$ Rt.

July 19.

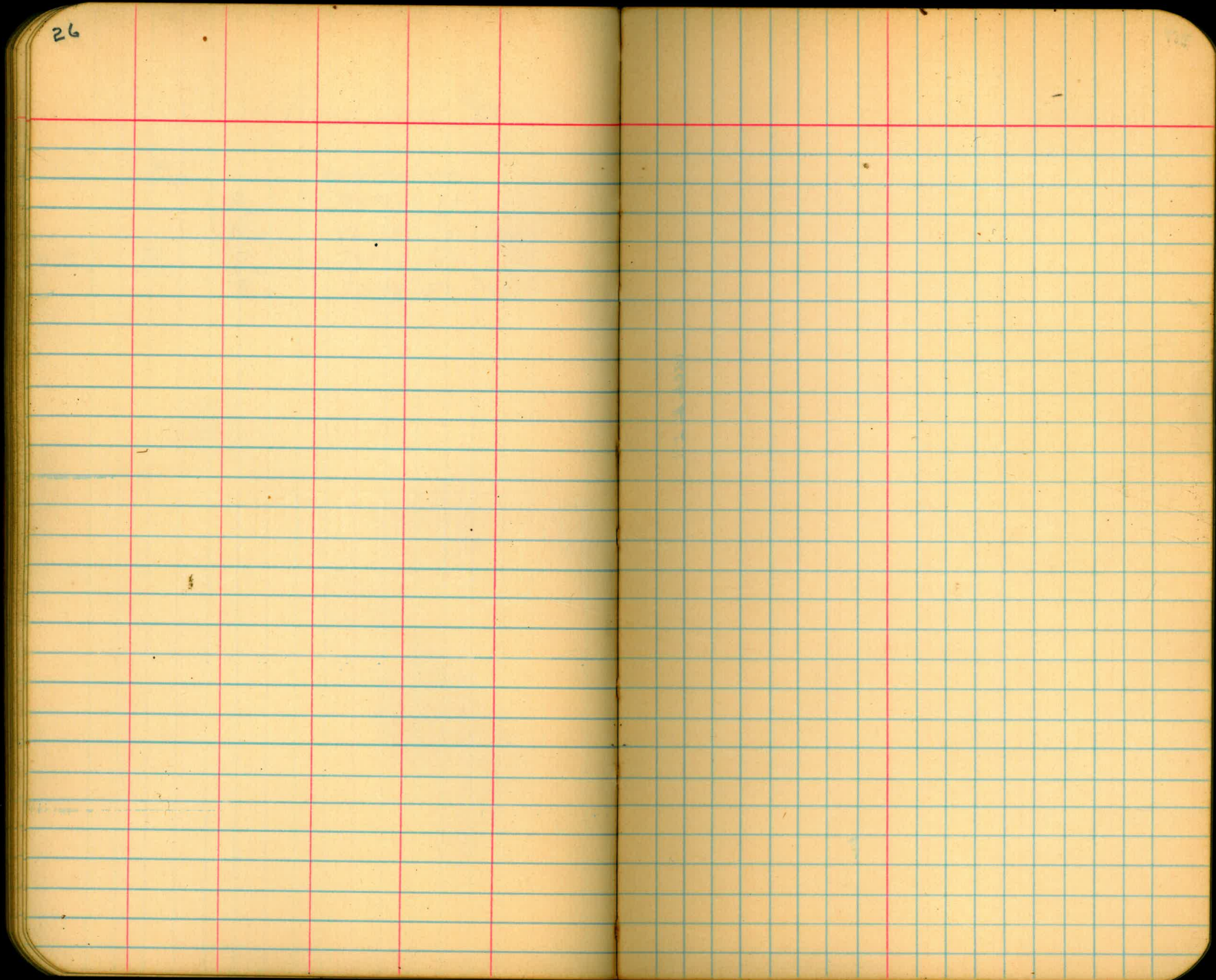
Unc.

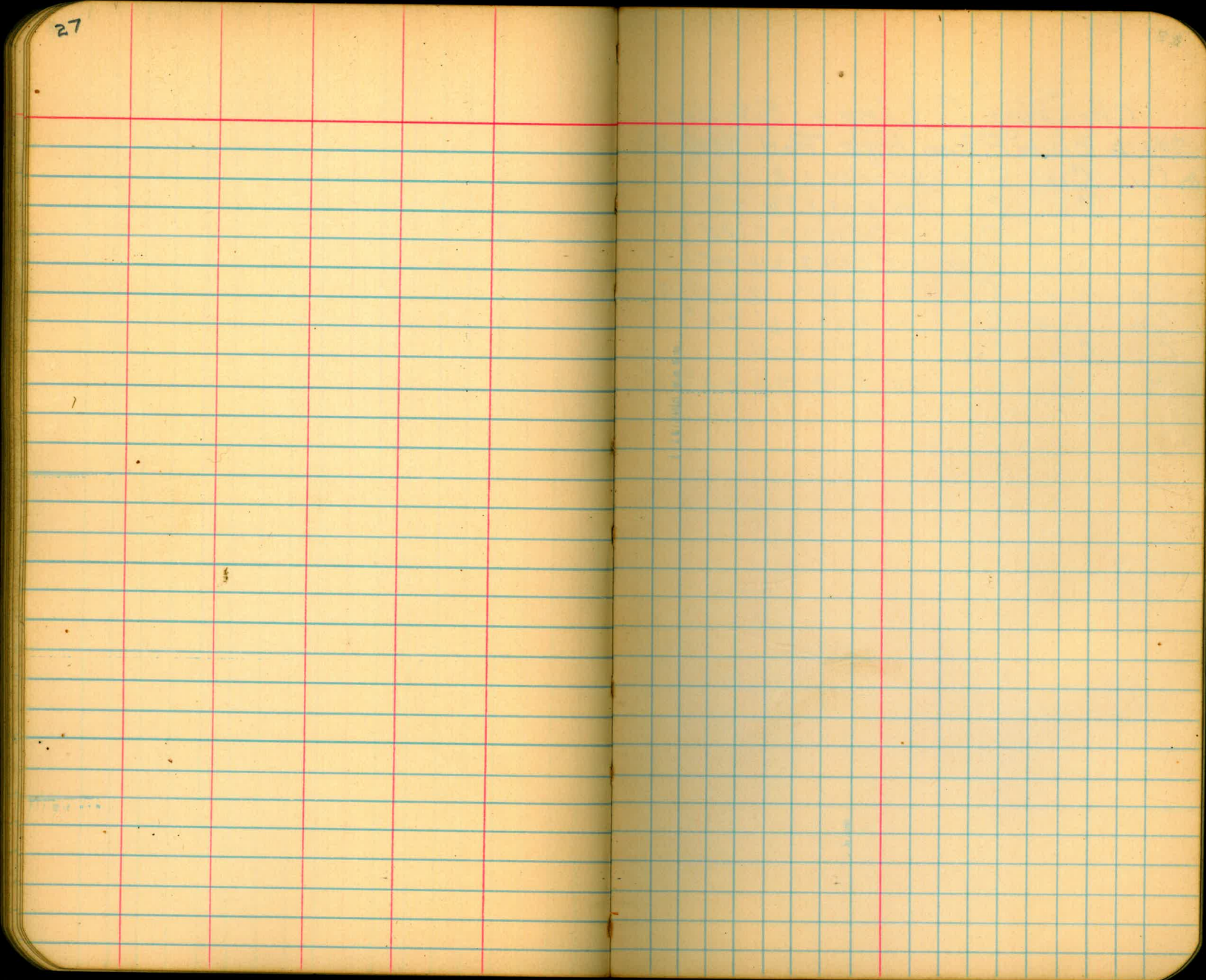
"

Fred.

Unc.

Fred.





" "
Checking C Line - Stadia

Sta. Δ	B.S. on	F.S. on	Angle	Rod.	Vert. L	+ = up.
Δ C ₁₁	C ₁₀	C ₁₂	102° 20' Rt.	1.18	+3° 28'	
	C ₁₂	C ₁₁	140° 46' Lt.	1.82	-3° 08'	
	C ₁₃	C ₁₂	157° 45' Lt.	2.70	+0° 15'	
	C ₁₄	C ₁₃	128° 53' Lt.	3.24	-0° 15'	
	C ₁₅	C ₁₄	77° 06' Rt.	2.50	+2° 13'	
	C ₁₆	C ₁₅	47° 38' Lt.	1.61	-4° 10'	
	C ₁₆	C ₁₇	69° 27' Lt.	8.00		
"	"	C ₂₁	20° 51' Lt.	39.0	-3° 10'	

H Line-

Δ Sta. Sighting Angles
to Sta. to Sta.

Δ B₃₅ B_{3E} H₁ 125° 28' LT. ··
 H₁ 6° 33' RT.
 H₂ 127° 08' LT. ·
 H₄₀=H₀ 13° 38' RT. ·
 H₃ 135° 43' LT. ·
 H₃₇ 35° 47' RT. ·
 H₃₄ 71° 51' RT. ·
 ✓ H₃₀ 114° 47' RT. ✓
 ✓ H₅ 143° 04' LT.
 Pt.-no. number 47° 13' LT.
 H₂₆ 139° 42' RT. 1
 H₁₁ -160° 57' LT. ·
 H₂₂ 158° 55' RT. ·
 H₃ 174° 38' LT. ·
 H₁₇ 163° 08' RT. ✓
 H₁₅ 178° 47' LT. ✓
 Δ B_{3E} B₃₅ K₁ 167° 03' LT.
 H₄₀=H₀ 151° 54' LT. ·
 H₃₇ 105° 59' LT. ·
 H₃₄ 61° 53' LT. ·
 H₁ 42° 07' RT. ·x
 H₃₀ 39° 08' LT.
 H₂ 40° 21' RT.
 H₃ 39° 47' RT.
 H₂₆ 28° 16' LT. ··
 H₅ 32° 30' RT.

Unc.
 Fred.
 Unc.
 Fred.
 Unc.
 Fred.
 Fred.
 -"
 Unc.
 Unc.
 Fred.
 Unc.
 Fred.
 Unc.
 Fred.
 Unc.
 Fred.
 "
 "
 "
 Unc.
 Fred.
 Unc.
 "
 Fred.
 Unc.

McIntosh
 Witte
 Lauterbach.

Sta.	Sighting to Sta.	Angles to Sta.	
Δ B _{3E}	B _{3S}	H ₂₂ 15° 14' Lt.	Fred ✓
	Pt. number	23° 14' Rt.	Unc.
		H ₁₇ 9° 29' Lt. ✓	Fred
		H ₁₁ 12° 24' Rt.	Unc.
		H ₁₃ 3° 31' Rt.	Unc.
		H ₁₅ 0° 44' Rt. ✓	Unc.
		B _{4S} 151° 26' Rt.	Fred.
	B _{4E} 126° 04' Rt.	"	
Δ B _{3S}	B _{3E}	B _{4S} 21° 05' Lt.	Unc.
		B _{4E} 40° 28' Lt.	Fred

Δ H ₅	H ₆	B _{3S} 125° 01' Lt.
		B _{3E} 136° 49' Lt.
	H ₄	H ₆ 131° 26' Lt.
Δ H ₁₇	H ₁₈	H ₉ 139° 35' Rt.
		B _{3E} 165° 57' Lt.
		B _{3S} 173° 19' Lt.
		H ₃₁ 111° 26' Lt.
		H ₃₃ 127° 30' Lt.
		H ₃₆ 136° 47' Lt.
	H ₄₀ 155° 06' Lt.	

July 26.

M^{rs} Intosh
Witte
Louterbach.

July 26.

△ B ₄₅	B _{4E}	H ₄₅	140° 10' Lt.	✓	Unc.
		H ₇₉	27° 07' Lt.		Fred
		H ₇₅	21° 22' Lt.		"
		H ₇₂	3° 35' Lt.		"
		H ₅₀	157° 22' Rt.		Unc.
		H ₆₈	13° 02' Rt.		Fred
		H ₅₂	134° 44' Rt.	✓	Unc.
		H ₆₇	36° 40' Rt.	✓	Fred
		H ₆₅	53° 10' Rt.		"
		H ₅₈	110° 32' Rt.		Unc.
		H ₆₂	63° 47' Rt.		Fred
		H ₆₀	74° 00' Rt.		Unc.
△ B _{4E}	B _{4S}	H ₆₂	92° 43' Lt.		Fred
		H ₄₅	17° 07' Rt.	✓	Unc.
		H ₆₅	109° 25' Lt.		Fred
		H ₅₂	31° 23' Lt.	✓	Unc.
		H ₆₇	122° 35' Lt.	✓	Fred
		H ₅₈	42° 34' Lt.		Unc.
		H ₆₈	159° 07' Lt.		Fred
		H ₆₀	73° 52' Lt.		Unc.
		H ₇₂	174° 07' Rt.		Fred
		H ₇₅	146° 52' Rt.		"
		H ₇₉	139° 19' Rt.		"

July 30-12

Checking H Line - 130' Con.

Sta. Δ	B.S.	F.S.	Angle	Red.
H. 21	H ₂₀	H ₂₂	169°30' Rt. ✓	1.59
22	21	23	148°45' Rt. ✓	2.34
23	22	24	166°02' Rt. ✓	1.24
24	23	25	101°00' Rt. ✓	2.07
25	24	26	134°16' Rt. ✓	1.67
26	25	27	168°49' Lt. ✓	1.53
27	26	28	146°08' Lt. ✓	1.28
28	27	29	165°19' Lt. ✓	1.89
29	28	30	129°26' Rt. ✓	1.15
3.0	29	31	127°31' Lt. ✓	2.37
31	30	32	144°46' Rt. ✓	1.19
32	31	33	137°20' Rt. ✓	1.18
33	32	34	132°25' Lt. ✓	.66
34	33	35	141°46' Lt. ✓	.85
35	34	36	140°33' Rt. ✓	2.02
C ₄₄ -H ₀	C ₄₅ -H ₀₇	H ₁	27°40' Rt. ✓	.67
H ₁	H ₀	H ₂	128°23' Lt. ✓	.65
H ₂	H ₁	3	130°52' Rt. ✓	.95
3	2	4	131°04' Lt. ✓	.83
4	3	5	158°48' Lt. ✓	1.36
5	4	6	131°24' Lt. ✓	.74
6	5	7	85°00' Rt. ✓	.80
7	6	8	172°00' Lt. ✓	2.20
8	7	9	155°34' Rt. ✓	1.93
9	8	10	0°0' - ✓	.58
10	9	11	111°56' Lt. ✓	.78
11	10	12	152°41' Rt. ✓	.98

Sta.	B.S.	F.S.	Angle	Rod.
12	11	13	157°06' Lt. ✓	1.21
13	12	14	69°20' Rt. ✓	1.94
14	13	15	159°00' Lt. ✓	1.64

17	16	18	115°00' Lt. ✓	1.10
18	17	19	137°32' Lt. ✓	1.46
19	18	20	163°08' Lt. ✓	1.32
20	19	21	102°13' Rt. ✓	2.78

36	35	37	153°29' Rt. ✓	1.86
37	36	38	145°92' Lt. ✓	1.69
38	37	39	133°27' Rt. ✓	1.93 lb
39	38	40	157°49' Rt. ✓	1.44
40	39	41	117°27' Lt. ✓	2.17
41	40	42	112°49' Lt. ✓	1.66
42	41	43	58°45' Rt. ✓	1.89
43	42	44	166°37' Lt. ✓	2.28
44	43	45	162°34' Lt. ✓	2.85
45	44	B ₄₅	121°30' Rt. ✓	—
45	44	46	148°59' Lt. ✓	2.44
46	45	47	164°53' Lt. ✓	2.45
47	46	48	174°10' Lt. ✓	1.87
48	47	49	123°33' Rt. ✓	1.92
49	48	50	172°46' Lt. ✓	2.82
50	49	51	154°06' Lt. ✓	1.76
51	50	52	197°40' Rt. ✓	4.30

July 31-1912

1°16' X

Sta.	B.S.	F.S.	Angle	Rod.
52	51	53	00°00' ✓	2.7
53	52	54	100°40' RT. ✓	1.18
54	53	55	x 163°22' RT. ✓	.88
55	54	56	114°43' Lt. ✓	.95
56	55	57	47°19' Rt. ✓	.94
57	56	58	100°48' Lt. ✓	2.28
58	57	59	144°10' Lt. ✓	5.01
59	58	60	123°31' Lt. ✓	1.77
60	59	61	150°58' Rt. ✓	2.38
61	60	62	162°43' Lt. ✓	2.24
62	61	63	141°44' Rt. ✓	1.43
63	62	64	166°41' Rt. ✓	1.47
64	63	65	137°17' Lt. ✓	2.09
65	64	66	50°12' Rt. ✓	3.60
66	65	67	178°38' Lt. ✓	2.76
67	66	68	144°40' Lt. ✓	6.00
68	67	69	142°17' Rt. ✓	1.28
69	68	70	170°19' Rt. ✓	.97
70	69	71	152°55' Lt. ✓	1.29
71	70	72	147°30' Rt. ✓	.82
72	71	73	156°44' Lt. ✓	1.72
73	72	74	171°51' Lt. ✓	1.92
74	73	75	123°52' Rt. ✓	1.49
75	74	76	98°42' Rt. ✓	1.04
76	75	77	52°43' Lt. ✓	1.07
77	76	78	126°52' Lt. ✓	7.61 ✓
78	77	79	120°45' Rt. ✓	.72

July 31

Aug. 1st.

Sta.	B.S.	F.S.	Angle	Rock
79	78	80	148°12' Rt. ✓	1.695
80	79	81	151°52' Lt. ✓	435
81	80	82	123°23' Lt. ✓	455
82	81	83	158°51' Lt. ✓	1.045
83	82	84	114°10' Rt. ✓	.88
84	83	85	172°42' Lt. ✓	1.50
85	84	86	127°24' Lt. ✓	.79
86	85	C45 87	143°35' Lt. ✓	.80
87	86	C44	138°17' Rt.	5.48

Aug 1.
M. Intosh
Witte
Lauterbach.

Location of 150' Contour, from 130'

Δ Sta.	B.S. on Lt.	Angle	Rt.	Dist.	Vert. Ang.
C61	C60	14°29'			✓
C60	C61		32°47'		✓
1/4-12-13	C60	158°20'		480' ± 5°30'	✓
F5	F7=C13	94°29'		493	
F7	F7=C13		79°38'		✓
F7=C13	F7	90°27'			✓
"	"	136°58'		467	✓
"	"	"		409	✓
"	"	"		350	✓
F7		174°44'		406	✓
F7		164°50'		268	✓
a		178°24'		478	✓
b		160°43'		255	✓
c		155°15'		570	✓
F7	F7	149°50 1/2			✓
C78	F7	103°08'			✓
C85	C87	42°24'		546	✓
C53	C51	102°28'			✓
C51	C53	60°04'			✓
C15	C14	105°36'		73'	✓
"	"	165°20'		96'	✓
a	C18	166°25'		130'	✓
b	a	126°06'		100'	✓
c	b	131°06'			
c	b	129°06'		9'	✓

Mist & Rain all day. Mcintosh
Swenson
Lauterbach.
Aug. 27-1912

Mamona Creek.

1/4 cor. 12-13. Painted.

4x4" Redwood Post on 150' Line.

~~Random Line.~~

To Section Corner.

" " "

Random Line.

" "

F7. X.

a

b.

c

d. pt. on 150' contour.

To Section Corner

" " "

To 1/4 corner 12-14.

To Center 13.

" " "

To 4x4 Redwood Post on 150'.

Random Line. a

b

c

To Corner 14-13

Sta.	B.S. on	Angle	Dist.	Vert. L.
4x4' Post.	P.M.		242	✓
"	"	111°42'	300	✓
a	4x4	161°20'	148	✓
b	a	179°03'	299	✓
M ₂₁	A b	53°30'		✓
M ₂₁	b	154°10'	273	✓
c	M ₂₁	124°10'	510	✓
d	c	172°11'	540	✓
e	d	143°45'	412	✓
f	e	142°53'	410	✓
g	f	140°30'	692	✓

H ₆₅	H ₆₆	161°40'	205	✓
Sec. Cor.	H ₆₅	109°10'	540	✓
a	Sec. Cor.	153°33'	475	✓
b	a	108°46'	115	✓
B	a	106°00'	800	✓

N ₃₁	N ₃₂	55°40'	270	✓
a	N ₃₁	135°43'	375	✓
b	a	161°28'	475	+3° ✓
c	b	173°33'	405	✓
d	c	164°23'	1380	✓
e	d	5°15'	35	= 8°

P.M. = property monument.

a

b

M₂₁ on 130'

M₂₄ " "

~~c~~ - c. up cottonwood i.

d.

e

f.

g.

H 150' on Cottonwood

To Sect. Corner 7-12

"a" on random line.

b.

c upper end of 150'

To 1/4 Sec. Cor.

a - random line.

b.

c

d

e = Sec. Cor.

f = Sec. Cor. Center 18.

	L	R	
C28	C29	150°03'	311' ✓
a	C28	142°42'	130' ✓
b	a	168°43'	80' ✓
b	a	103°48'	162' ✓
d	b	170°35'	332' ✓
c	d	131°10'	600' ✓

#114 #116 96°25' ✓ 124' +8°40'

#41 #40 ✓ 110°07' 272' +4°30'
 a #41 179°36' 330' ✓
 b a 130°00' 170' ✓

B7 B12 ✓ 61°55' 372' ✓
 a B7 154°22' 69' ✓
 a B7 164°00' 270' ✓
 c ~~a~~ ✓ 88°57' 60' -8°15' ✓

a

b

c = Sect. Cor. 13-19-18-24.

d.

e

f. = pt. on 150'

pt. on 150' - end of canon.

"a" random line.

b

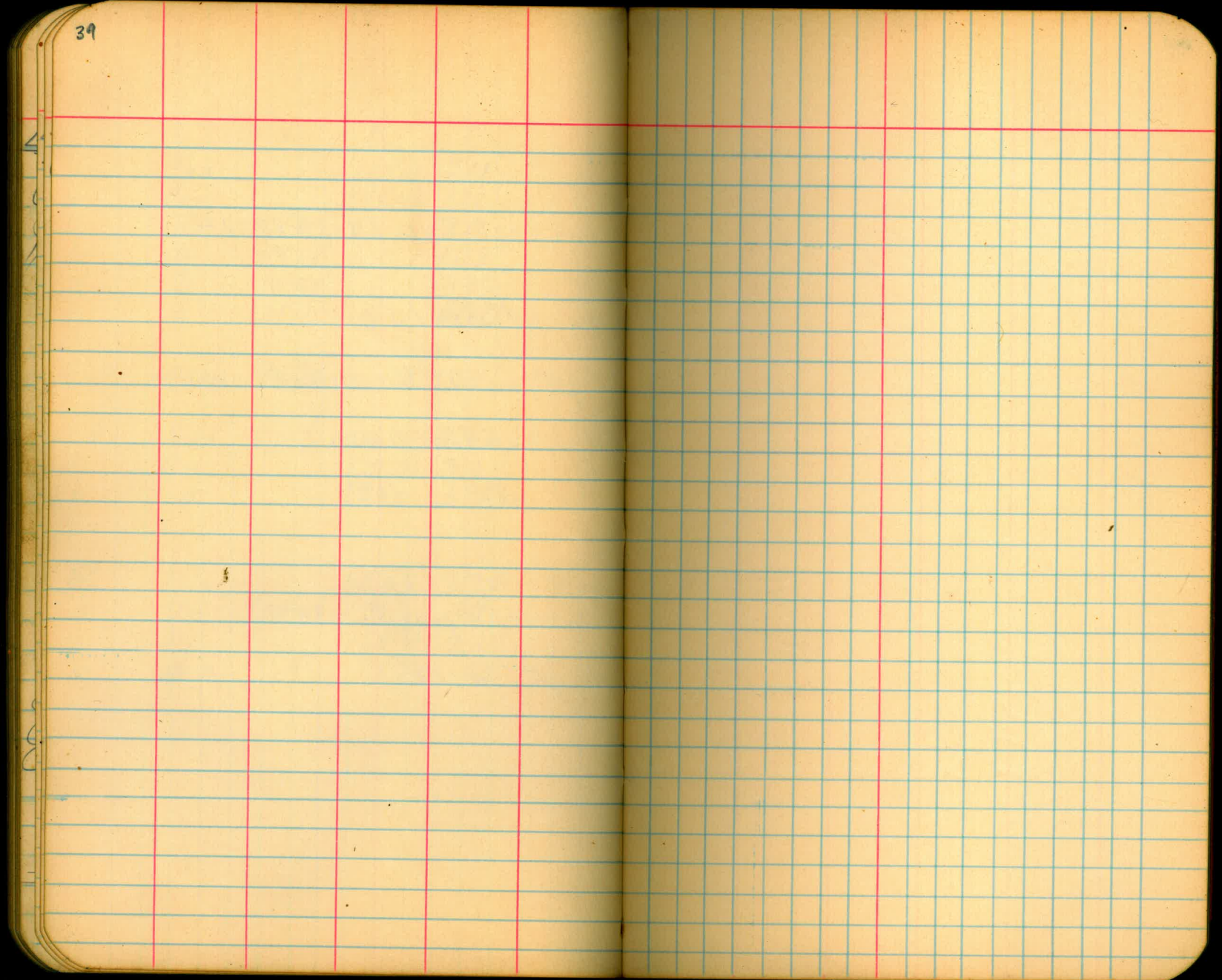
c = pt. on 150'.

a

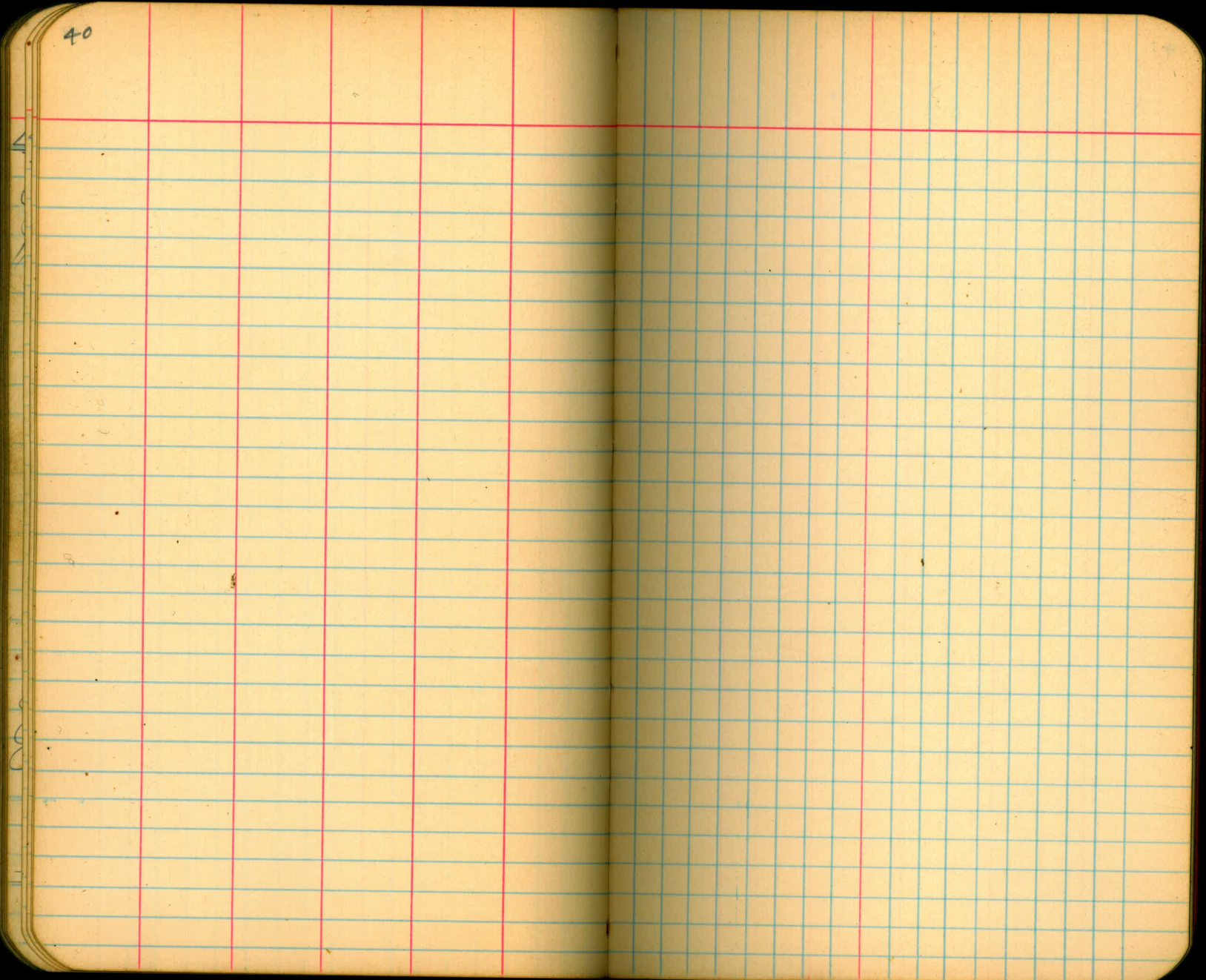
b. - 4x4 post. - 150'

c

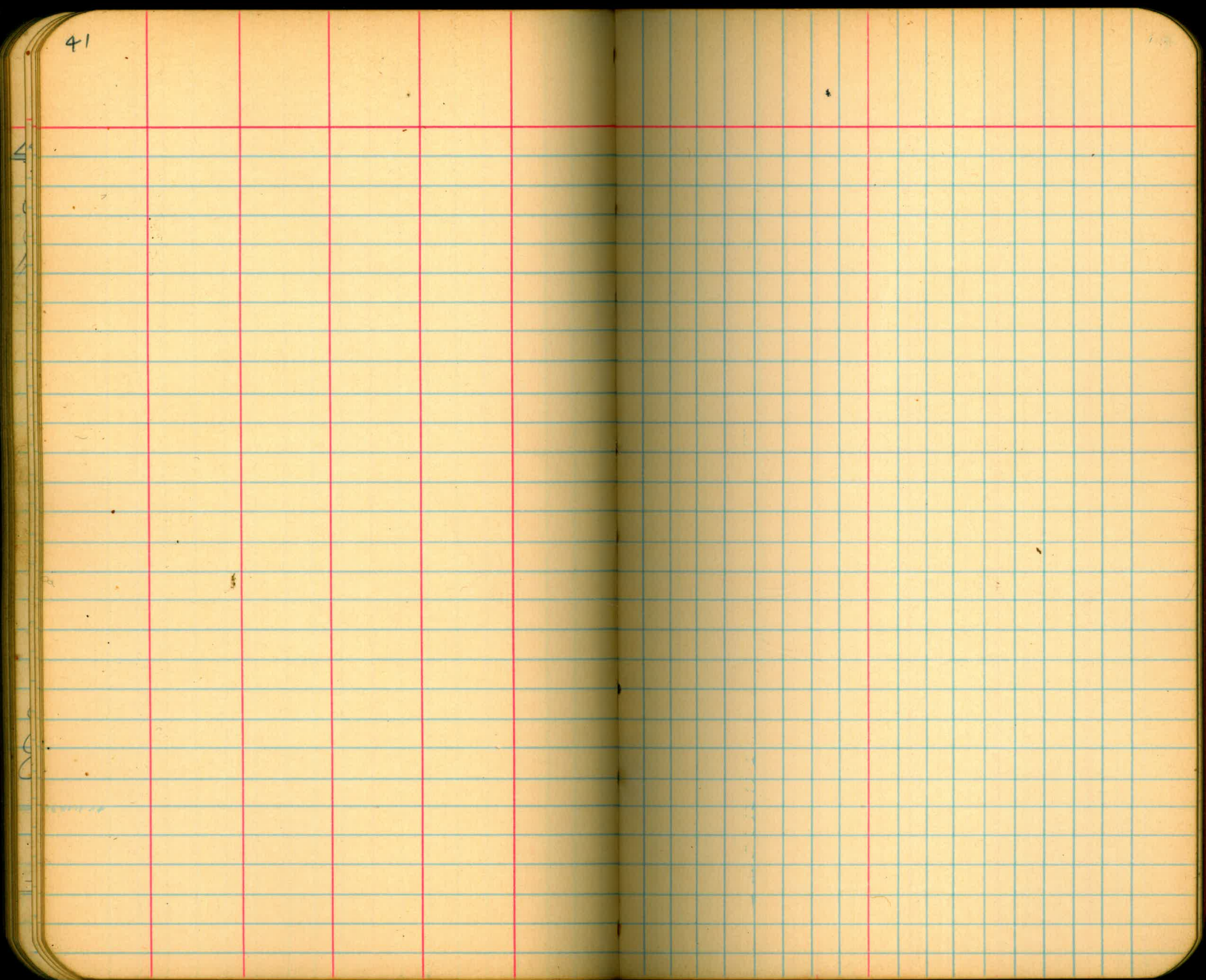
d. pt. on 150'

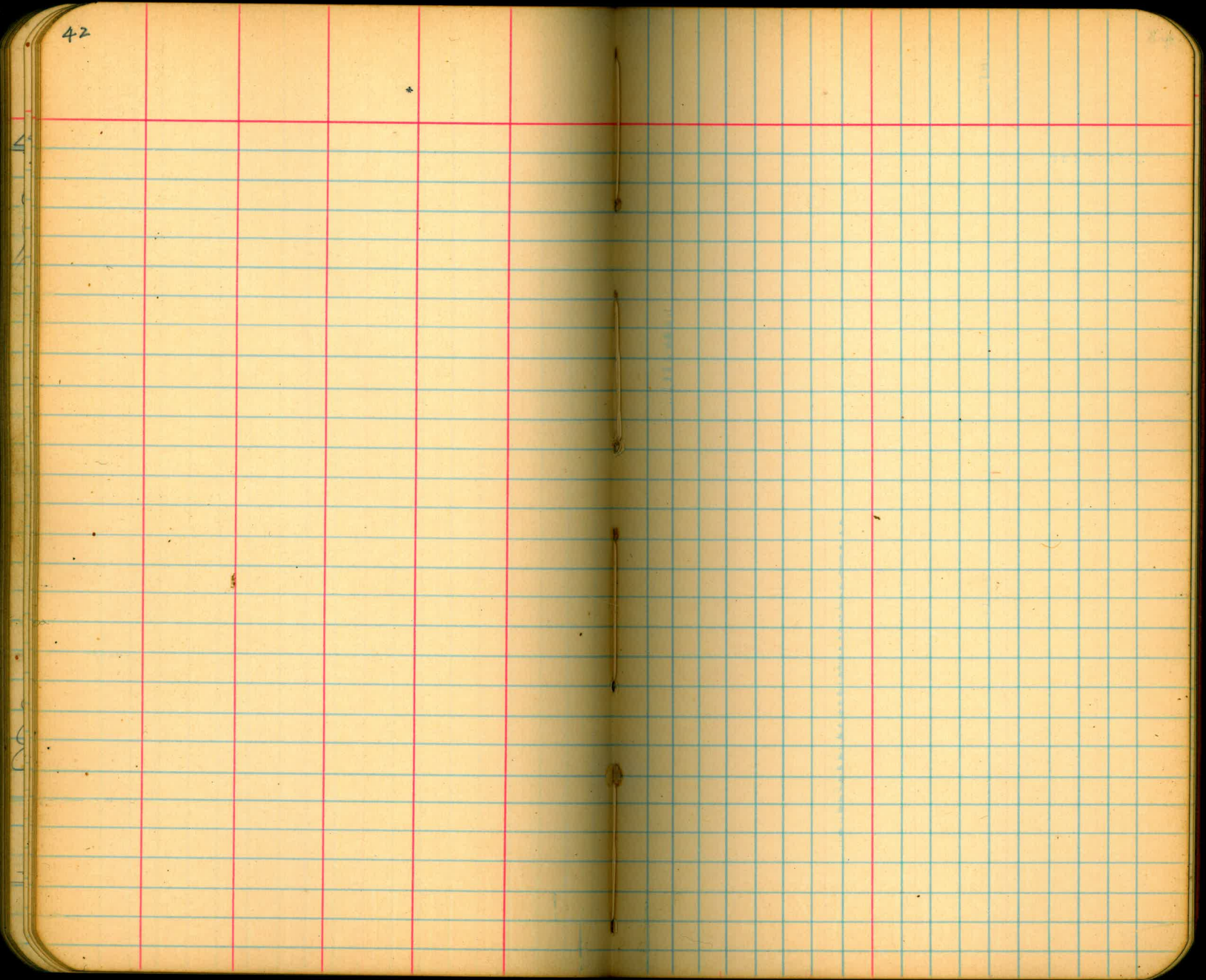


40



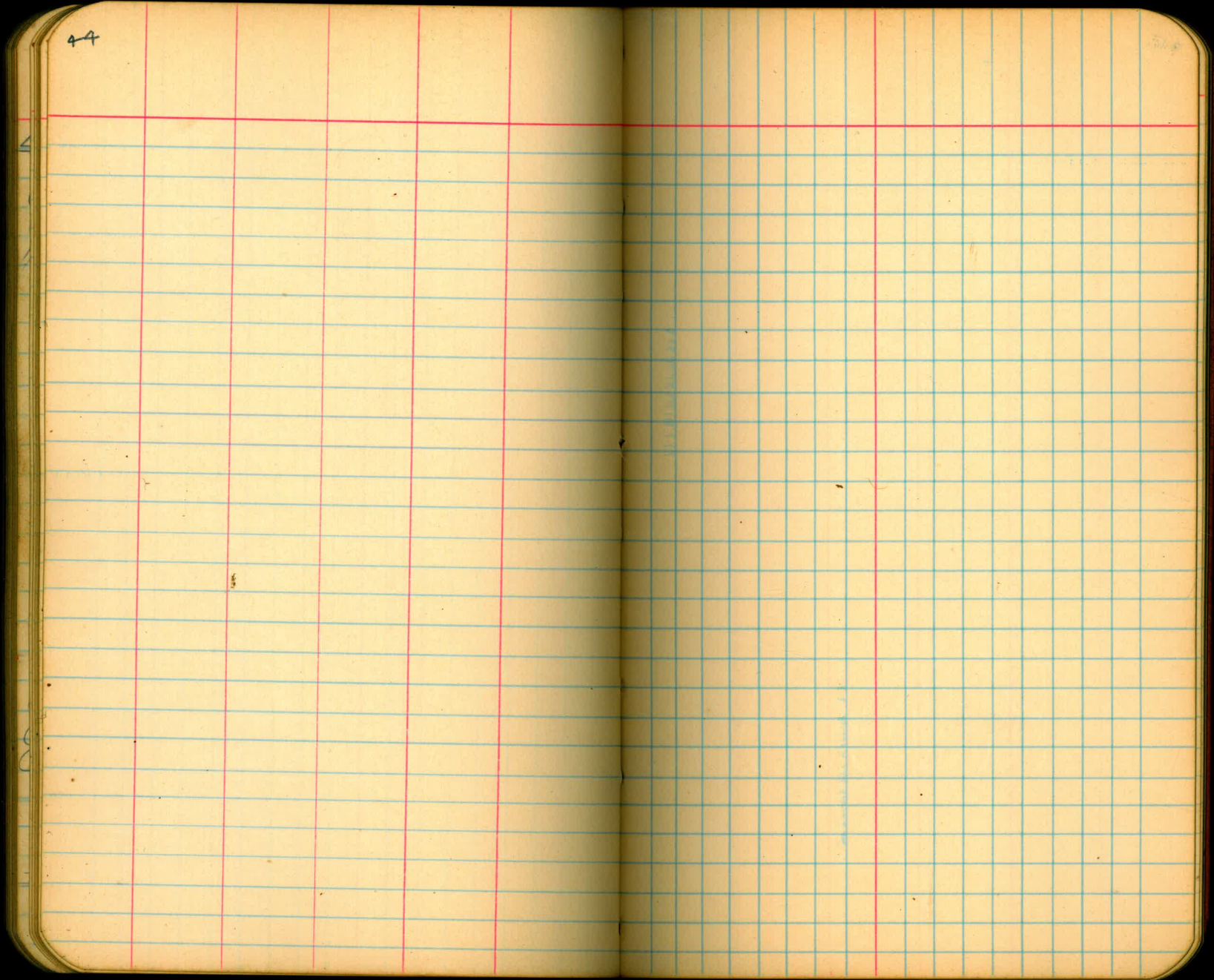
41



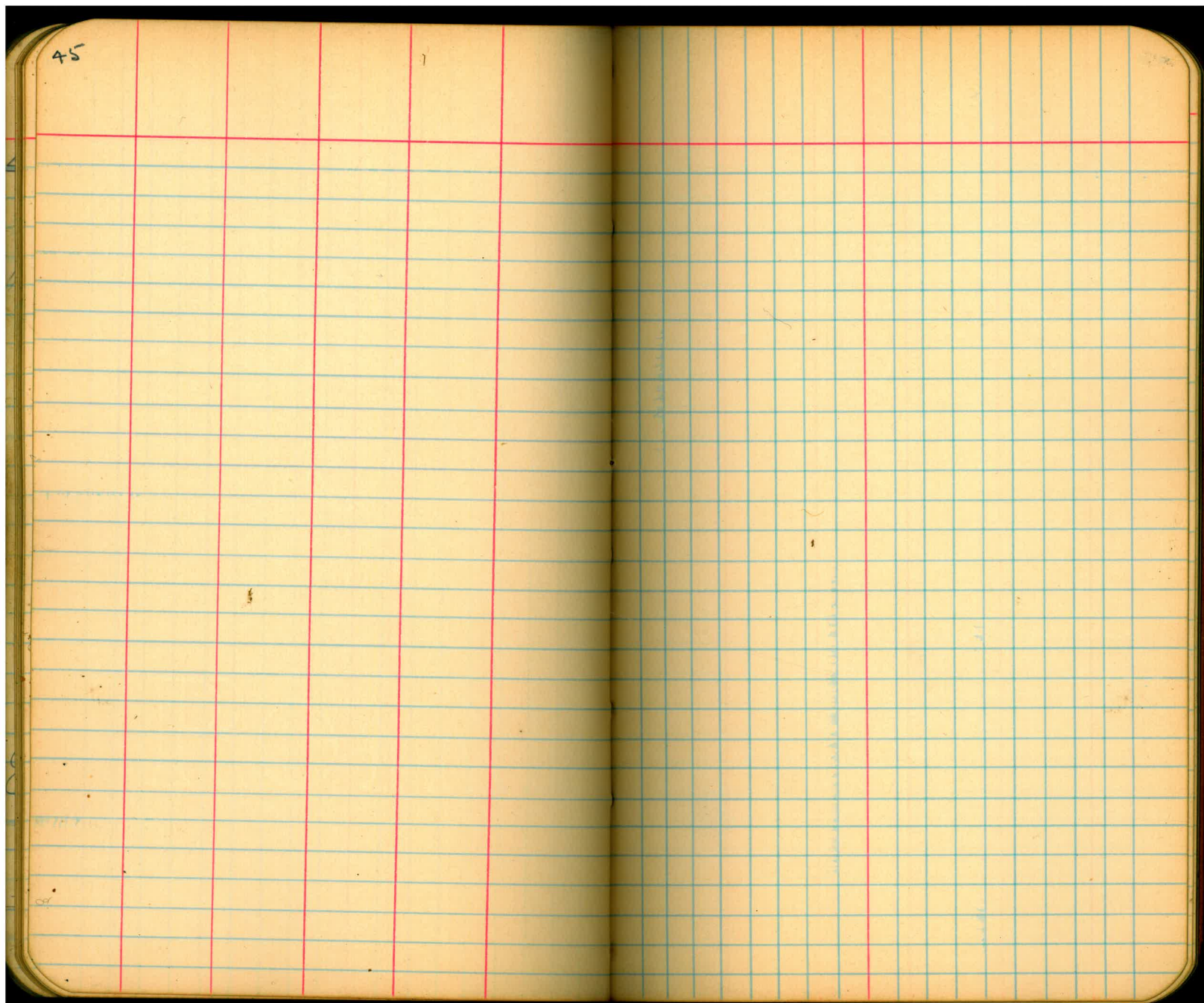


43

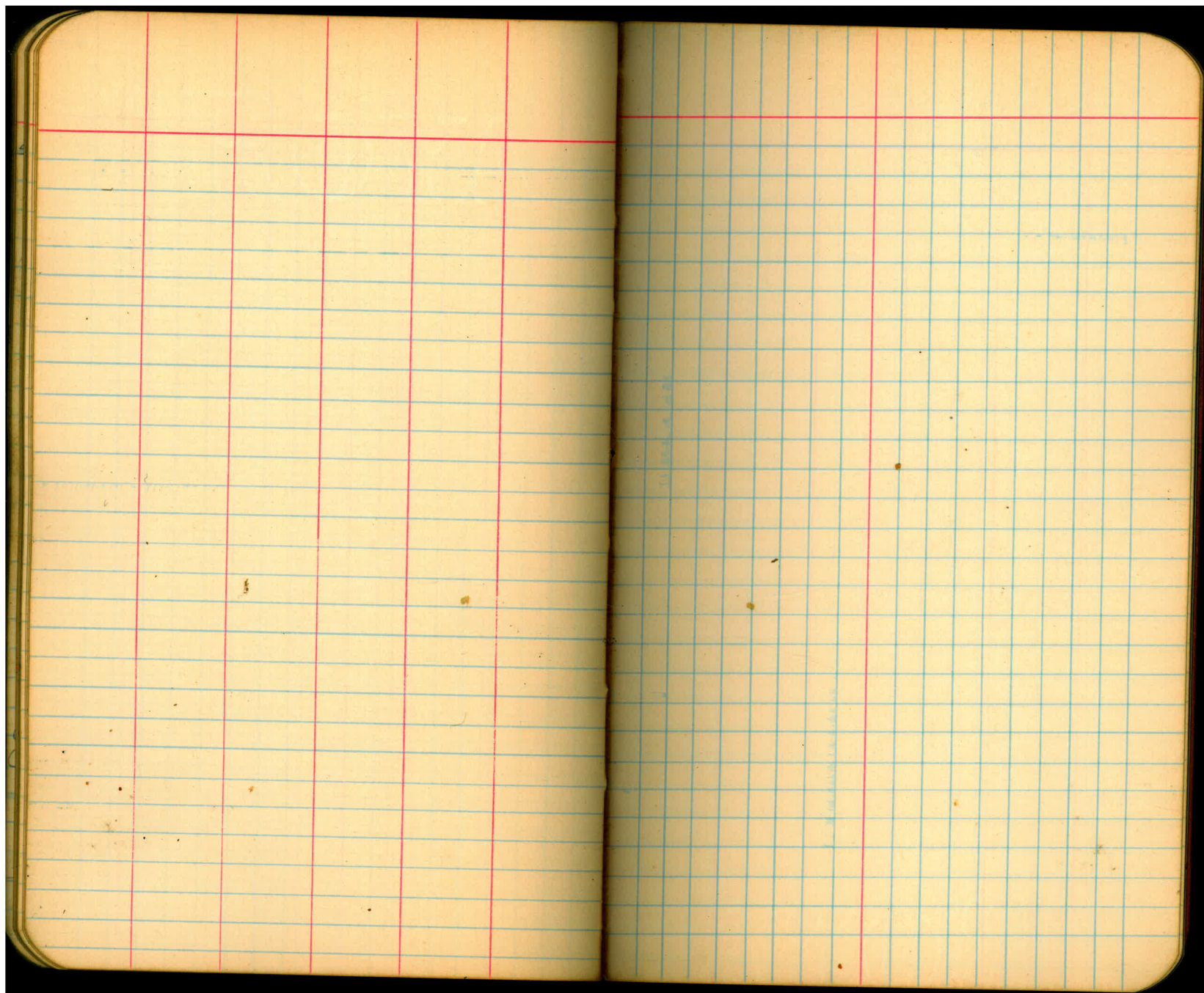
44

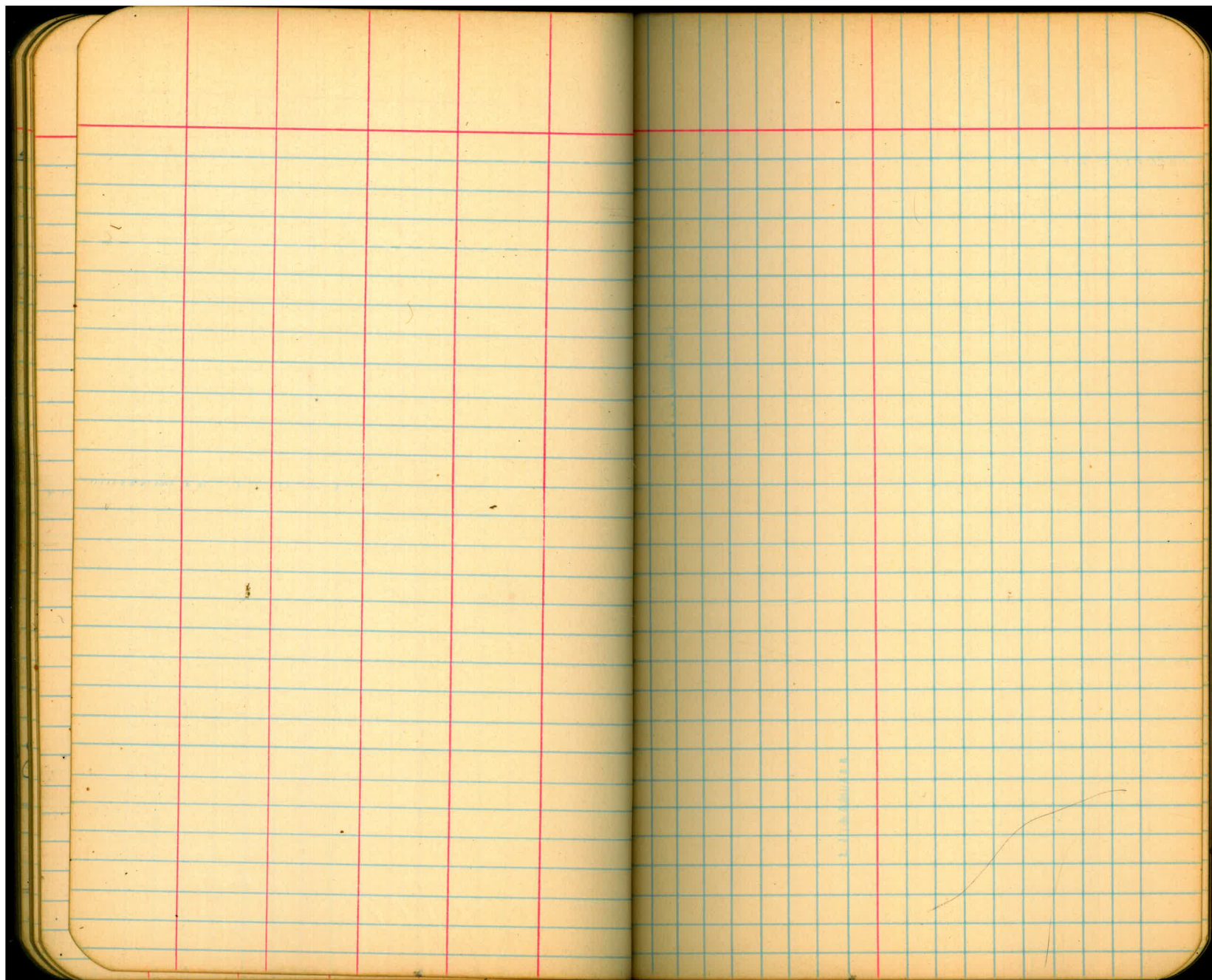


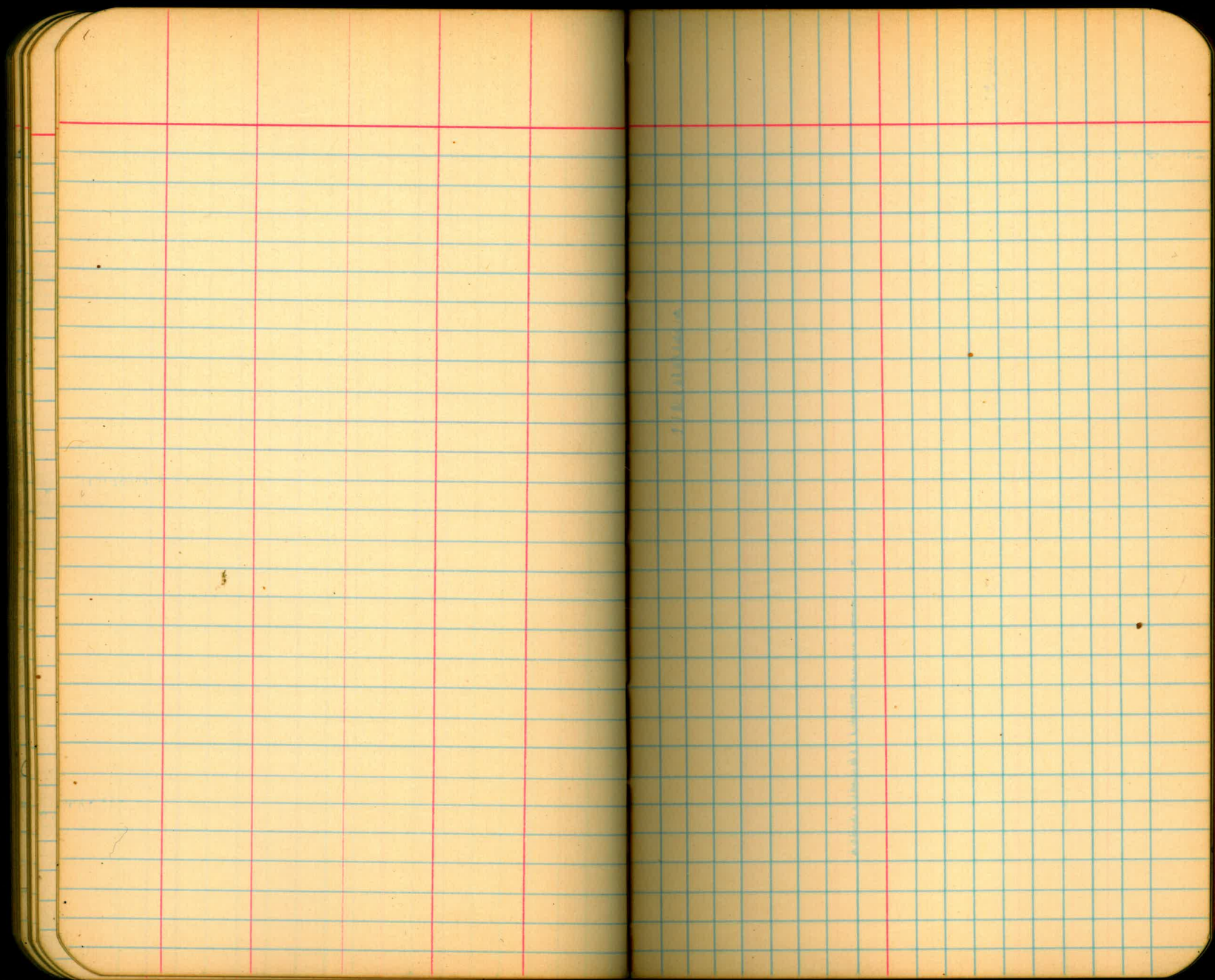
45

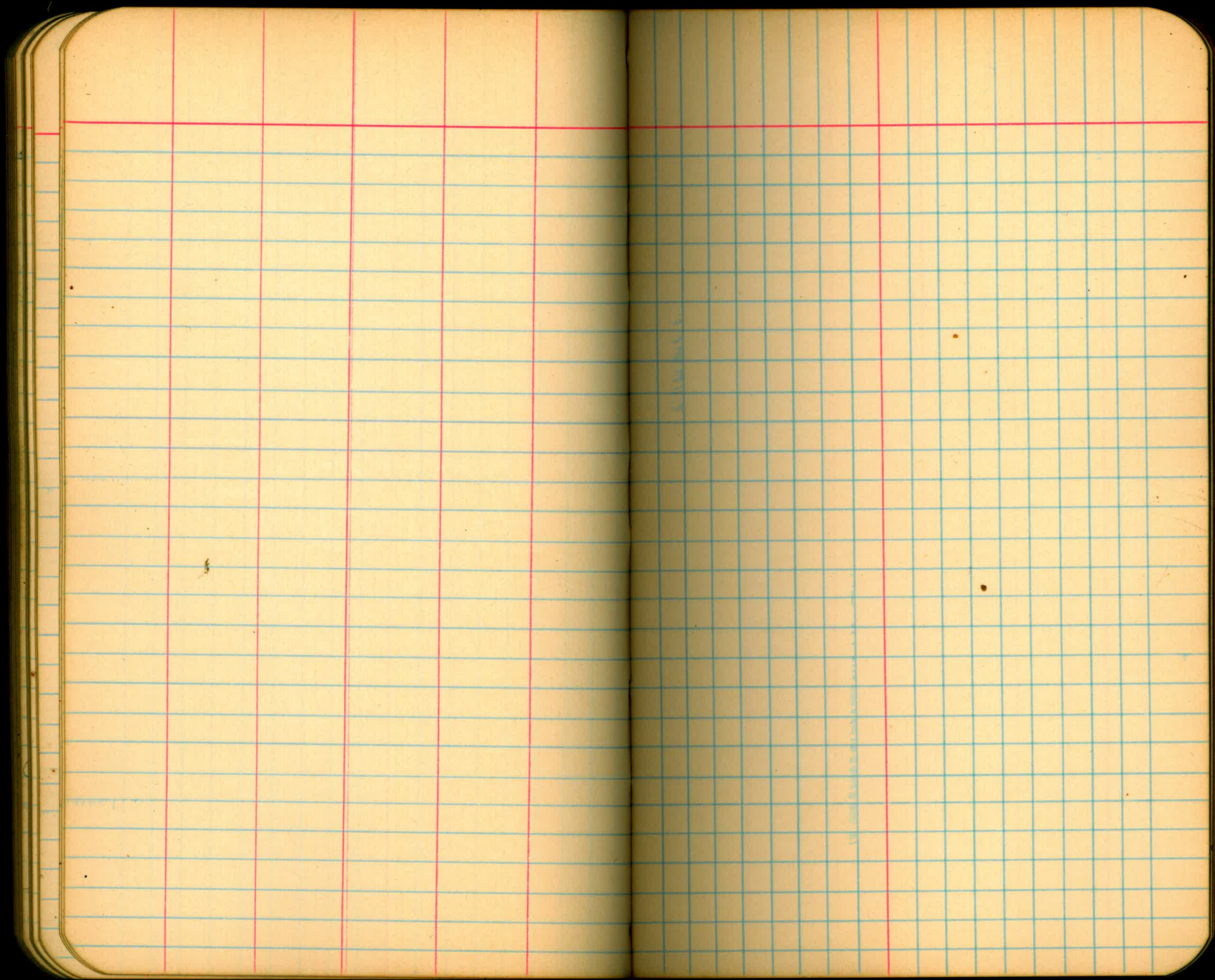


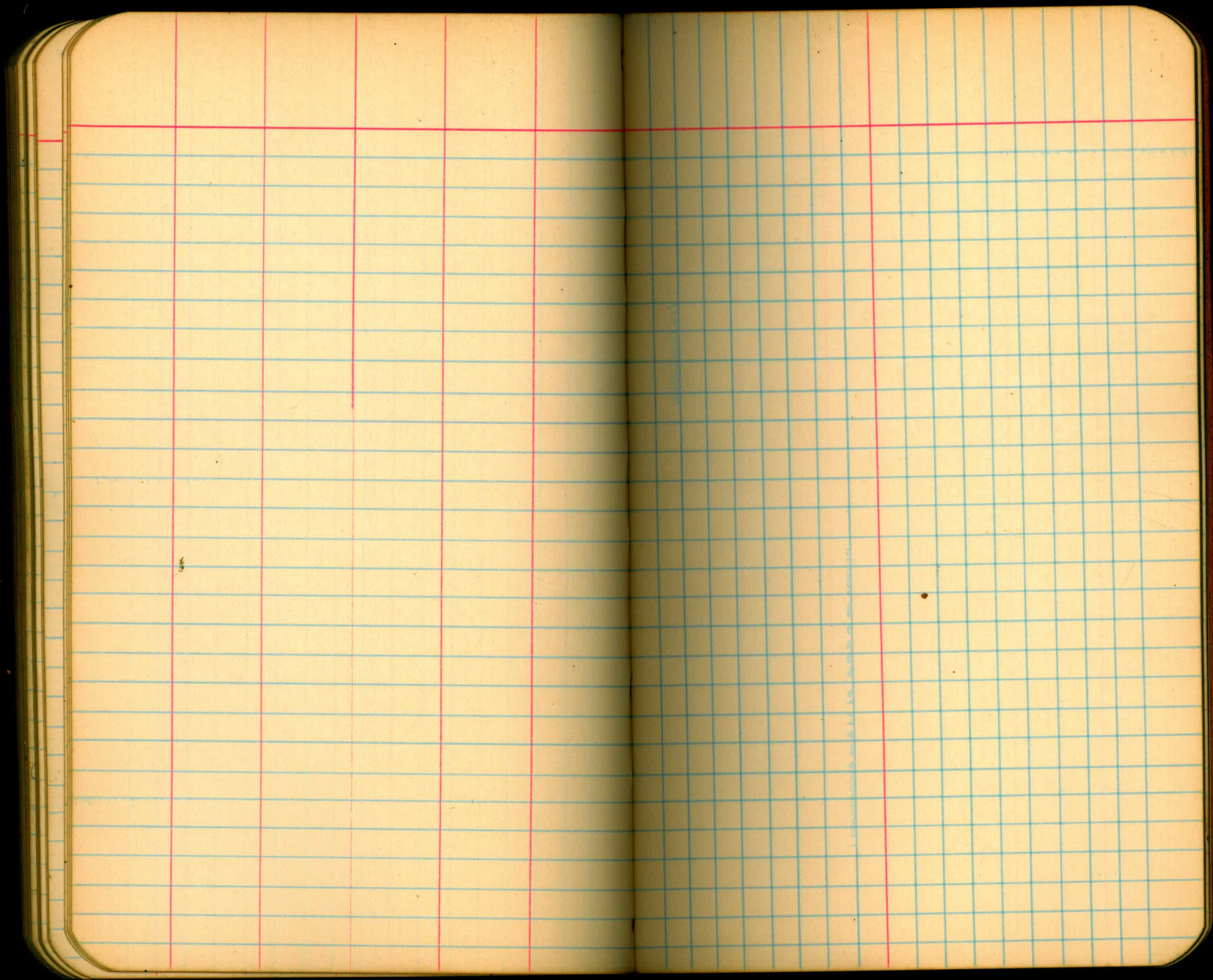
46











162
324

273
546

~~285~~
~~570~~

475
432.25
42.75

700
~~430~~
270

60
08
.52

4490

~~622.47~~
~~4316~~
665.63

~~560.00~~

~~22.47~~

5157
5325
10522

