

Cross-Section of Brewery Road.

F. B. 154

Sewer Plans

1904.

154

398

TRANSIT

F. B. 154

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 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 2/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

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City Hall, San Diego, Cal.

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	COR. IN LINKS						
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

CORNING
BOOK STORE
742 5TH ST.
SAN DIEGO

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City Hall, San Diego, Cal.

MICROFILMED

Laurel

224.87
224.0

57

Maple

237.0

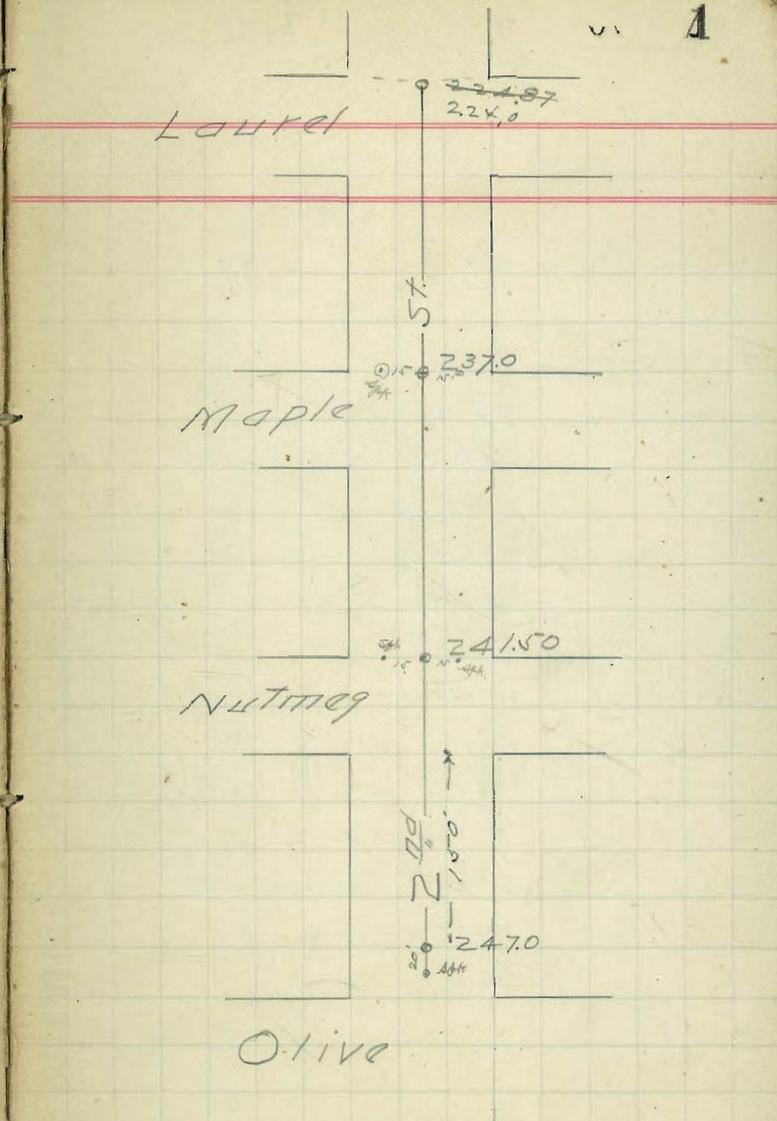
NUTMEG

241.50

200
200
150

247.0

Olive



So low maple	237.0			
10' 719	237.12			
20	37.24			
30	37.86			
40	37.48			
50	37.60			
60	37.78			
70	37.83			
80	237.95	242.45		4.5
90	38.07			
100	38.19			
110	38.31			
120	38.43			
130	738.54	242.81		4.3
140	38.66			
150	38.78			
160	38.90			
170	39.02			
180	39.13	743.34		4.2
190	39.25			
200	39.37			

$$\begin{array}{r} 240.43 \\ 6.03 \\ \hline 246.46 \end{array}$$

$$\begin{array}{r} 37.12 \\ 7.34 \\ \hline 44.46 \end{array}$$

$$\begin{array}{r} 37.22 \\ 7.10 \\ \hline 44.32 \end{array}$$

$$\begin{array}{r} 37.60 \\ 8.86 \\ \hline 46.46 \end{array}$$

$$\begin{array}{r} 2437.141 \\ 0.93 \\ \hline 2438.07 \\ 6.67 \\ \hline 2444.74 \end{array}$$

$$\begin{array}{r} 37.10 \\ 9.66 \\ \hline 46.76 \end{array}$$

$$\begin{array}{r} 37.90 \\ 8.47 \\ \hline 46.37 \end{array}$$

$$\begin{array}{r} 1.26 \\ 242.48 \\ \hline 243.74 \\ 6.14 \\ \hline 249.88 \end{array}$$

$$\begin{array}{r} 37.24 \\ 9.30 \\ \hline 46.54 \end{array}$$

$$\begin{array}{r} 37.36 \\ 7.18 \\ \hline 44.54 \end{array}$$

$$\begin{array}{r} 37.48 \\ 7.06 \\ \hline 44.54 \end{array}$$

$$\begin{array}{r} 37.60 \\ 8.76 \\ \hline 46.36 \end{array}$$

$$\begin{array}{r} 37.72 \\ 8.34 \\ \hline 46.06 \end{array}$$

$$\begin{array}{r} 38.44 \\ 8.00 \\ \hline 46.44 \end{array}$$

$$\begin{array}{r} 39.25 \\ 7.27 \\ \hline 46.52 \end{array}$$

$$\begin{array}{r} 39.37 \\ 7.17 \\ \hline 46.54 \end{array}$$

$$\begin{array}{r} 39.49 \\ 7.05 \\ \hline 46.54 \end{array}$$

$$\begin{array}{r} 39.61 \\ 6.93 \\ \hline 46.54 \end{array}$$

$$\begin{array}{r} 39.72 \\ 6.82 \\ \hline 46.54 \end{array}$$

10/24/04 Hutchinson 742

210	39.49	39.49		
220	39.61	39.61		
230	239.72	243.85	4.1	
240	39.84			
250	39.96			
260	40.08			
270	40.20			
280	240.31	244.84	4.5	
290	40.43			
300	40.55			
310	40.67			
320	40.79			
330	240.90	244.77	3.9	
340	41.02			
350	41.14			
360	41.26			
370	41.38			
380				
380.7	As per Nutmeg	241.50	245.52	4.0

249.48 H.I.

5.63
243.85

4.71
244.77

250.49 H.I.
3.22
247.27

4090
2150
37
4.48

39.13 39.25 39.37 39.49
8.12 8.0 7.88 7.76

39.61 39.72 39.84 39.96
7.64 7.53 7.41 7.29

40.08 40.20 40.31
7.17 7.05 6.94

40.43 40.55 40.67
10.18 10.06 9.94 9.82

40.79 40.90 41.02 41.14
9.70 9.59 9.47 9.35

41.26 41.38 41.50
9.23 9.11 8.99

41.50
8.99

24643
6.82
247.25 H.I.
2.89
244.36
6.13
240.49

$$\begin{array}{r} 217.00 \\ 211.50 \\ \hline 230 \overline{) 50.50} \quad 2.39 \\ \underline{460} \\ 900 \\ \underline{670} \\ 2100 \end{array}$$

$$\begin{array}{r} 8.33 \\ 247.28 \\ \hline 255.61 \quad 4.11 \end{array}$$

$$\begin{array}{r} 247.0 \\ \underline{8.61} \\ 352 \end{array}$$

$$\begin{array}{r} 521 \\ 47 \\ \hline 51 \end{array}$$

5561

46

57.21

51.21

5.30

50.31

5

3.31

83

2.48

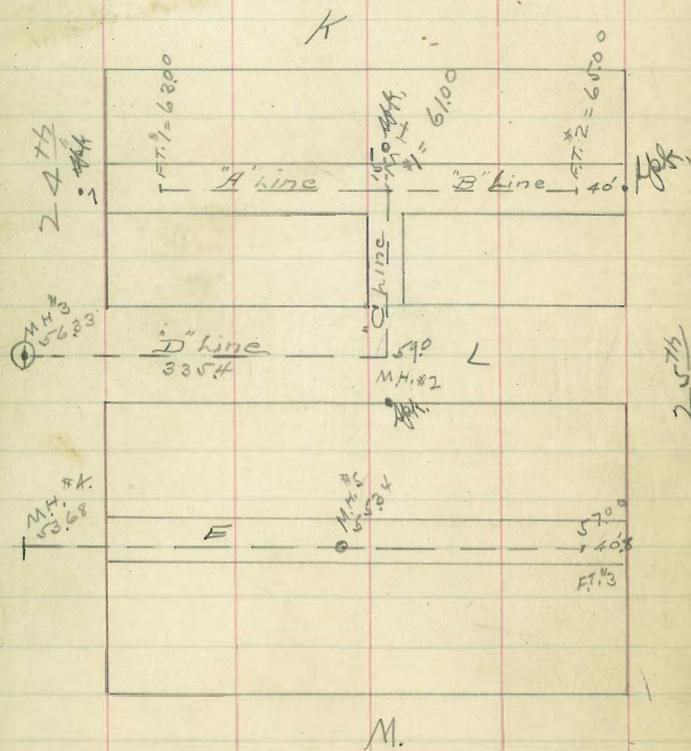
48.30

210

220

230 End of Sower 247.0 252.03 570

cut



M.H. #

61.00

10

20

30

40

50

60

70

80

90

100

110

120

130

140

150

160

170

180

190

200

Slatch
Rennie
Pambit
10/21/04

61.42

61.85

62.27

62.70

6639 B.M. 25th L
335

69.74
8.75
60.99
11.84
72.83 HI

11.88

08

11.75

09

11.64

08

11.56

09

11.48

08

11.41

09

11.32

08

11.24

09

11.15

08

11.07

09

10.98

08

10.90

09

10.81

08

10.73

09

10.64

08

10.56

09

10.47

08

10.39

09

10.30

08

10.22

09

10.13

08

10.05

09

9.96

08

9.88

09

9.79

-100

-200

"A"

01 9

210.
220
225. 63.00

B"

M.H. 7
15 61.00

25

35

45

55

65

75

85

95

105

115

125

135

145

155

61.86

62.65

63.43

Ard

6639
5.295
74.685 Hz
19945
62740
7.95

9.685 - 255 70.19 Hz
9.765 - 250
9.915 - 240 7.45 - 110
10.075 - 230 7.60 - 100
10.225 - 220 7.76 - 90
10.385 - 210 7.92 - 80
10.535 - 200 8.08 - 70
10.695 - 190 8.23 - 60
10.875 - 180 8.40 - 50
11.045 - 170 8.55 - 40
11.195 - 160 8.70 - 30
11.335 - 150 8.84 - 20
11.485 - 140 9.04 - 10
11.675 - 130 9.19 0
11.795 - 120
11.945 - 110

Hotel R.L.
10/22/04

165
175
185
195
205 64.22
215
225
235
245
255 FT. #2 65.00

"C"

MH #1 61.00
10
20
30
40
50 60.47
60
70
80

10/22/04

Stated
Perrin
Lambert

6099
7.46
68.45 HI
2.05
66.40

7.45
1.05
7.555 -10
1.05
7.660 -20
1.05
7.765 -30
1.05
7.870 -40
1.05
7.975 -50
1.05
8.080 -60
1.05
8.185 -70
1.05
8.290 -80
1.05
8.395 -90
1.05
8.500 -100

8.51
1.05
8.615 110
1.05
8.720 120
1.05
8.825 130
1.05
8.930 140
1.05
9.035 150
1.05
9.140 160
1.05
9.245 170
1.05
9.350 180

10/11/04
Hutchinson

11

90				
100	59.94			
110				
120				
130				
140				
150	59.42	702-472-453		
160				
170				
180				
190	M.H. #2 59.00 "D" Line		664-HI	
M.H. #2	59.00	702-247-475		
10				
20				
30				
40				
50	58.64	752-20-45		
60				
70				
80				

57.25
0.34
 57.59
 59.0
9.59
 68.59
2.2
 70.79
10.11
 80.90
8.53
 89.43 HI

Grades set on "D" Line
10/28/04 Hatch

90			
100	58.29	8.22 - 3.77 = 5.0	
110			
120			
130			
140			
150	57.91	8.62 - 3.88 = 5.14	
160			
170			
180			
190			
200	57.55	9.01 - 3.34 = 5.67	
210			
220			
230			
240			
250	57.19	9.4 - 3.8 = 5.6	
260			
270			
280			
290			

6642 MI

300	56.82	6642 MI
305	56.57 - 9.85 - 4.85 = 5.87	
315		
325		
335	56.57	

"E" Line

11/2/04

MH 4	5340
10	5346
20	5352
30	5358
40	5364
50	5370
60	5376
70	5382
80	5389
90	5395
100	5401
110	5407
120	5413
130	5419
140	5425
150	5431
160	5437
170	5443
180	5450
190	
200	

10.86
28
11.12

10.86
25
11.16

64.51
11.14
43.37

8.5
25
210

13

6642 H.I.	53.29 el at #4 MH.	6639 168
67.85 016		68.07 508
68.01 H.I.	7125	62.99
941	8326	231
59.60		65.30 H.I.
571		132
6451 H.I.	53.16	53.98 - top of Pipe
	11.05	94.19
	6	5450
	10.99	10.32
	10.93	10.26
	10.87	10.20
	10.81	10.14
	10.75	10.08
	10.69	10.01
	10.62	9.95
		9.89
		9.83
		9.77
		9.71

210	
220	
230	5480
240	
250	
260	
270	
280	5511
290	5517
300	5523
310	MH 85 5529
320	5535
330	5541
340	
350	
360	
370	
380	5572
390	
400	

$$\begin{array}{r} 68.27 \text{ H.I.} \\ \underline{7.36} \\ 60.91 \\ \underline{5.51} \\ 66.42 \text{ H.I.} \end{array}$$

$$\begin{array}{r} 64.51 \text{ H.I.} \\ \underline{4.85} \\ 60.16 \\ \underline{5.63} \\ 65.79 \text{ H.I.} \end{array}$$

5480	5480
485	9.71
10.99	55.11
10.93	10.68
10.87	10.62
10.81	10.56
10.75	
10.69	55.29
5421	10.50
10.35	10.44
	10.38
5572	10.32
10.07	10.26
10.01	10.20
9.95	10.14
9.89	
9.83	
9.77	
9.71	

11/2/04 Hutchinson
11/1/04 Hutchinson

15

61
065
305
366
2

36
61
86
216

410	
420	
430	5602
440	
450	
460	
470	
480	5633
490	
500	
510	
520	
530	5663
540	
550	
560	
570	
580	5694
590	5700
600	5706
610	5712
620	5718
646.5	5722

188
66.89
68.27 J.H.
55

562
62.65

1127
562
55

65.79 J.H.
384
61.95 J.H.
630
68.25 J.H.

5602
9.79

971
9.65
9.47
9.53

5633
9.46
9.40
9.34
9.28
9.22

5663
9.26

5728
10.97

66.39
1.18
67.57 J.H.

57.22
11.03 110

5694
10.63

9700
10.57
5722
10.51
10.45

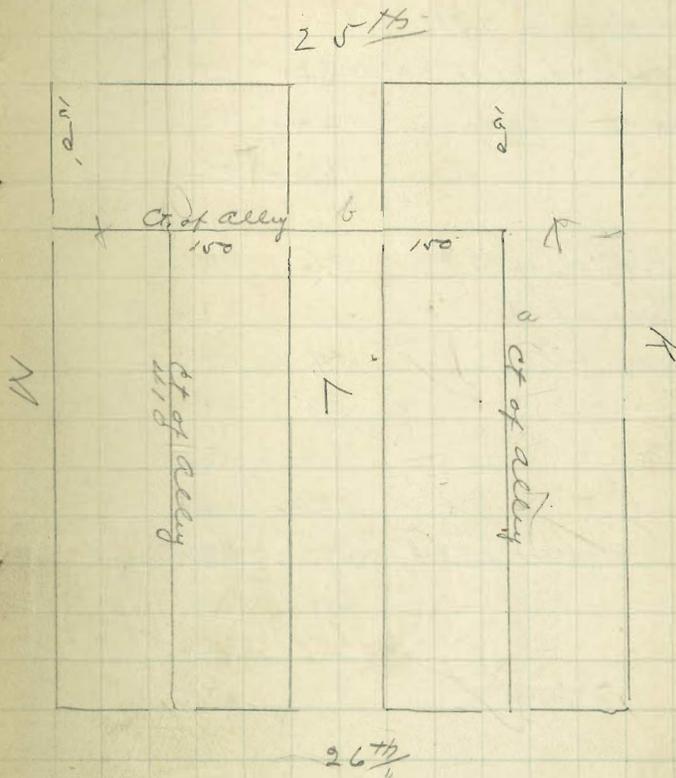
5663
11.62
11.56
11.50
11.44
11.38
11.32
11.25
11.19
11.13
11.07
11.01
10.97

Levels on Alley for sewer
bet N. & L. from 25 to 26th/₆

10/19/20 } Hutchinson
7/2 E Swift Terrace
Will K. Evans

16

	11.79	78.18	66.39
West line of 26 th / ₆	3.9	74.3	
3' West of "	2.4	75.85	
50' " "	2.7	76.0	
100' " "	2.9	75.3	
150	2.8	75.4	
200	2.8	75.4	
250	2.9	75.3	
300	2.9	75.3	
350	2.7	75.5	
400	2.9	75.3	
410 (Center of N & S Alley)	3.0	75.2	



Levels on Center Line of Alley
bet 25th + 26th, from 150 So of A,
to North Line of M.

17

Intersections of 78.18			
Alleys bet K + L, and 25 th + 26	3.0	75.2	
50' So of Intersection	4.4	73.8	
100 "	6.0	72.2	
130 "	6.6	71.6	
150 " (N ^o line of A)	9.6	68.6	
So line of L	10.6	67.6	
2' So of L	8.9	69.3	
50' " " "	8.3	69.9	
100 " " "	8.9	69.3	
150 " " "	10.1	68.1	
	5.43	73.84	9.77
200	6.2	72.0	
250	7.1	71.1	
300	(N ^o line of M)	8.7	69.5

Levels on Center Line of Alley
bet L + M from 25th to 26th

10/19/04 }
Hutchinson }
E

West line of 26 th	73.84	6.6	67.2
2' West of 26 th		5.5	68.3
50' " " "		5.1	68.7
100' " " "		4.7	69.1
150' " " "		4.3	69.5
200' " " "		4.3	69.5
250' " " "		4.3	69.5
300' " " "		4.3	69.5
350' " " "		4.5	69.3
400' " " "		5.2	68.6
410' " (Intersection of alley)		5.8	68.0

$\frac{10}{20}$ } d'Hennecourt
 $\frac{14}{24}$ } Davis

1919

	I.H.		Ch
			13.710
2.40	159.56		157.16
End of Ch 100' E of 7th		4.82	154.72
+08		6.04	153.52

BR 169 D. $\frac{56.12}{1.24}$
φ $\frac{57.36}{9.32}$
T.R. $\frac{48.14}{2.99}$
φ $\frac{51.15}{4.44}$
 $\frac{46.69}{46.69} = \text{Elev of ground SW corner}$

$\frac{61.00}{46.69}$
-14.31

Levels on alley from "5 line of K" to
Center of east and west alley (150')

	10.13	76.52		66.39
	6.02	81.20	1.34	75.18
S. line K St.			3.7	77.5
1' South of K.			2.7	78.5
50' " " "			3.3	77.9
100' " " "			4.1	77.1
150' " " "			6.0	75.2

Levels on alley from N line of M
to center of east and west alley (150')

	39.9	70.39		66.39
N line M St.			5.2	65.1
50' N of M			3.7	66.7
100' " " "			2.8	67.6
150' " " "			2.1	68.3

From intersection of alleys in block.
L. N. 25th - 26th to point 40.8' West of
West line of 25th -

150' E of 25 th		2.1	68.3
100' " " "		3.3	67.1

10/29/04 { ofatel
R.V.L.

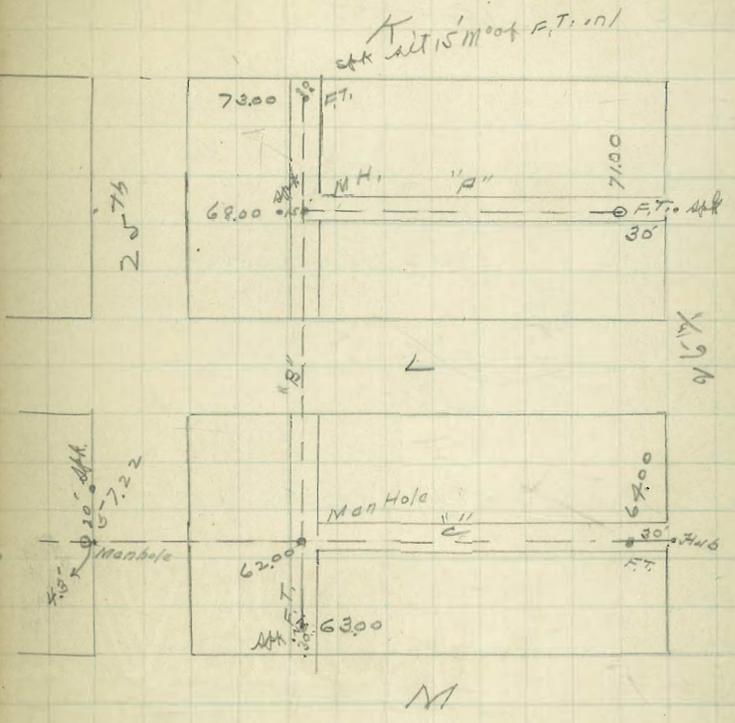
220

Rumie Lambert

50' E of 25 th	70.38	3.8	66.6
2' " " "		4.1	66.3
E line 25 th		8.3	62.1
W " "		8.3	62.1
4' W of "		7.2	63.2
40.8 " " "		7.8	62.6

5607
150
4107
90

22
22



"A"

0 M.H.	68.00	12.53	
10			
20			
30			
40			
50	68.40	12.13 - 5.2 = 7.1	
60			
70			
80			
90			
100	68.79	11.74 - 5.2 = 6.5	
110			
120			
130			
140			
150	69.19	11.34 - 5.2 = 6.0	
160			
170			
180			
190			
200	69.58	10.94 - 5.2 = 5.6	

140
30
180

1281
1282
6.5

38.07 / 3,000.00 .8
30 406

~~68.53 M.H.~~

79.17	4.1	68.00		
10.77		11.17		
68.40		5	68.40	68.79
11.60		11.89	10.77	11.21
80.00	4.1	11.52	11.18	10.81
69.98		11.01	69.58	11.15
10.02		11.86	10.42	10.97
71.00		10.98	11.28	10.84
9.00		10.85	11.20	10.76
7.00		10.77		10.18
7.03		7.07		10.10
7.55		7.23		10.02
7.47		7.15		9.94
7.39		7.07		7.86
7.31		7.00		7.78
				7.70

12/ } Hutchison } Grady, nails.
12/ } Evans }
1/4 } Lewis }

210

220

230

240

250

69.98 1055 - 5,35 = 5,2

260

270

280

290

300

7037 10.16 - 5.10 = 5.1

310

320

330

340

350

70.77 976 - 456 = 52

360

370

380.7 Flush Tank 71.00 9.53 5.25 = 53

807
80
64560

807
79
7262
5649
6375

66.39

80,53 H.L.

1305
67.48
3.42
70.90
2.53
66.37

"B"

Hutchinson
Evans
Lewis

25
25

0	F.T.	7300	$7,52 - 2,3 = 5,2$
10			
20		72,16	$8,4 - 2,74 = 5,8$
30			
40			
50		70,92	
60			
70		70,98	$10,47 - 3,47 = 7,0$
80			
90			
100		68,84	
110			
120	M.H.	68,00	$12,53 - 5,41 = 7,1$
130			
140			
150			
160			
170		67,21	$13,34 - 6,75 = 6,6$
180			
190			
200			

720
38
459

120 1500 (416
280 8320
200 400 380) 600 (158
120 400
158
79

~~80,53~~ 71,1
66,59
773
76,12 71,1
~~81,5~~
~~67,84~~
~~80,5~~ 71,1

66,39
12,78
79,17 71,1

13,03
68
81,03
73
8,03

64,63
10,49
16
12,33
16
10,17
10,02
11
9,16
7,70
16
7,4
7,16
7,35
7,23
16
7,07

68,00
11,17
73
4,17

66,42
7,70
68,00
12,35
42
11,93
42
11,51
41
11,10
41
10,69
41
10,28
42
9,86
42
9,44
42
9,02
41
8,61
42
8,19
42
7,77
42
7,35

67,21
8,91
8,75
8,59
16
8,43
16
8,27
7,908 70,92
10,27 9,43
7,216
8,17
7,35
7,77
42
18
68,00
12,35

210

220

230

240

250

260

270

280

290

300

320

330

340

350

360

370

380

390

400

410

420

66.42
7.5

6.22 0.32 = 5.9

65.63
7.5

7.01 - 4.21 = 2.8

64.37
7.5

8.27 5.11 = 3.2

63.58
7.5

9.06 3.06 = 6.0

63.58
7.5
66.03

72.64 H.I.

0.31

72.33

8.20

80.53 H.I.

158
90
1.2640

430
 440
 450 62.79 9.85 3.88 = 6.5
 460
 470
 480
 490
 500 *MonHole* 62.00 = 10.64 - 4.30 = 6.3
 510
 520 62.17
 530
 540
 550 62.41 10.23 - 0.73 = 5.2
 560
 570
 580
 590
 600 62.83 9.81 5.91 = 3.9
 610
 620 *F.T.* 63.00 9.64 6.74 = 4.9

120) 100 (83
 96
 40
 36
 40

72.64 = 10.64 - 4.38 = 6.3

5.82
 66.39
 72.21 *Jan 11*

62.06
 10.15
 63.18
 62
 1.58
 62.79
 7.42

63.58
 8.63
 16
 8.47
 9.31
 8.15
 7.99

64.37
 7.84
 16
 7.68
 7.52
 1.6
 7.36
 7.20
 7.32
 6.88
 1.15
 6.73
 6.15
 5.8

22
 62.17
 10.04
 9.96
 9.88
 9.79

158
 7
 110.6
 72
 62.11
 10.10

62.72
 9.89
 15
 9.74
 16
 9.58
 16
 9.42
 16
 9.26
 9.10
 8.94
 16
 8.78

11/7/6
 Hutchison.

66.39
 5.78
 72.17 *Jan 11*

62.00
 10.15
 10.09
 10.01
 9.92
 9.84
 9.76
 9.67
 9.59
 9.50
 9.42
 9.34

Hutchison
 Evans
 Lewis
 Lindell

0-06	F.T.	6400			
10					
20					
30		6384	8.90 - 3.9 = 4.7		
40					
50					
60					
70					
80		6359	9.07		
90					
100		6348			
110					
120					
130		6330	9.34	2.91 = 6.4	
140					
150					
160					
170					
180		6303	9.61	3.21 = 6.4	
190					
200		6295			
210					

380.6) 2.0000 (5-25
 19030
 9700
 2612
 2088

53 53
 16 31
 318 53
 53 159
 16

7264711
 6637
 6166
 6705711

Grade Stakes of Line "C" set
 11/10/04 Hudson's Bay Company

230 62.78 $9.86 - 3.06 = 6.8$

250

280 62.52 $10.12 - 2.82 = 7.3$

300 62.43

320 62.26 = $10.38 - 3.40 = 6.9$

350

380 M.H. 62.00

400

430 61.06 $11.58 - 5.46 = 6.1$

72.62 M.H.

61.83
12.39
74.22 M.H.

5.75
68.47
4.5

62.00 12.16
74.16

12.12
12.07
12.02

63.03

11.19

11.08

10.97

10.87

10.76

10.65

10.55

10.44

11.76
11.61
6.95

62.26

11.96

11.91

11.86

11.81

11.76

63.57

10.65

63.50

10.38

62.52

11.70

11.60

11.50

11.39

11.29

450

480

490

530

550

580

600

610

620

6306

6343 M.H.

60.12 12.52 - 6.28 = 6.24 ✓

59.18 - 13.46 - 10.50 = 30

58.24

57.49

57.30

57.22

254) 4.78 1.88

$$\begin{array}{r} 254 \overline{) 4.78} \\ \underline{254} \\ 224 \\ \underline{203} \\ 208 \\ \underline{203} \\ 50 \end{array}$$

$$\begin{array}{r} 1.9 \\ \underline{.6} \\ 1.07 \end{array}$$

6639

625

$$\begin{array}{r} 6639 \\ \underline{625} \\ 7264 \end{array}$$

67.05 71.1

522

61.83 T.F.

61.06

59.9

58.0

56.1

54.2

52.3

57.22

9.83

69.12

6.93

67.6

65.5

63.6

61.7

62.00

5.01

57.49

9.56

9.19

9.57

1.9

7.18

8.79

58.24

8.89

1.9

8.62

8.43

8.24

8.05

59.18

7.87

7.68

7.49

7.30

7.11

Brewery Road

32nd + Colton South.

7197

	5.51	80.61		75.10
			8.63	71.98
	0.37	69.45	11.53	69.08
	0.01	57.32	12.14	57.31
	2.59	52.17	7.74	49.58
	2.00	48.88	5.29	46.88
B.M.			4.71	44.17
	0.71	36.85	12.74	36.14
Center to line of Colton			2.1	34.3
" 100' So of "			4.3	32.6
" 150' " " "			5.7	31.2
200' So of Colton				
30' East of Center			7.3	29.6
Center			6.4	30.5
30' West of Center			5.8	31.1
750' So of Colton				
30' West of Center			6.5	30.4
13' " " "			6.6	30.3
8' " " "			8.3	28.6
Center			8.6	28.4
27' East of Center			9.2	27.7

31

10/3/04 HUTCHISON T + E

Spt in tel pole SW Cor of intersection
of Matronal City & Brewery road

20' East of Ct.	26.85	8.0	28.9
300' So of Colton,			
30' East of Ct.		8.2	28.7
25' " " "		10.9	26.0
Center		10.8	26.1
10' W of Ct.		10.5	26.4
17'		8.0	28.9
30'		8.0	28.9
340' So of Colton			
30' W of Ct.		8.8	28.1
22' W of "		9.0	27.9
18' " " "		12.7	24.2
Ct.		13.1	23.8
24' East of Ct.		12.9	24.0
30' " " "		8.3	28.6
380' So of Colton,			
30' East		9.0	27.9
1.99	26.14	12.70	24.15
26' East of Ct.		3.6	22.5
Ct.		3.6	22.5
19' West of Ct.		3.2	22.9

72' W of Ct.	26.14	7.10	27.1
30' W of "			27.5
430' So of Colton			
30' W of Ct.		1.8	24.3
24' " " "		1.3	24.8
18' " " "		6.5	19.6
Ct.		6.8	19.3
24' East of Ct.		4.4	21.7
33' East of "		+1.7	27.8
480' So of Colton			
33' East of Ct.		0.9	25.2
25' " " "		7.7	18.4
Ct.		9.8	16.3
22' W of Ct.		8.7	17.4
27' " " "		5.1	21.0
30' " " "		5.6	20.5
505' So of Colton			
30' West of Ct.		10.4	15.7
21' " " "		17.5	13.6
Ct.		17.5	13.6
30' East of Ct.		12.5	13.6

26.14
0.43 13.89 12.68 13.46

530' East of Cotton

30' East of Ct.	10.3	3.6
16' " " "	9.0	4.9
6' " " "	3.7	10.2
Ct.	3.7	10.2
17' East of Ct.	3.4	10.5
30' " " "	10.9	3.9

555' East of Cotton

30' W of Ct.	16.3	+ 2.4	
13' " " "	8.0	5.9	
Ct.	8.1	5.8	
4' East of Ct.	8.4	5.5	
70' " " "	16.0	+ 2.1	
30' " " "	16.0	+ 2.1	
16.4	4.55	10.98	2.98

580' East of Cotton and

17' East of Ct.	7.8	+ 3.2
8' " " "	3.3	1.3
Center	1.9	2.7

12' W of Ct. ^{4.11} 4.55 2.5 2.1
26' East of Ct. 7.8 + 3.2

605' East of Cotton

25' W of Ct.	7.6	- 3.0
12' " " "	5.2	- 0.6
Ct.	4.4	+ 0.2
11' East of Ct.	5.7	- 1.1
15' " " "	7.6	- 3.0

630' East of Cotton

15' East of Ct.	7.6	- 3.0
12' " " "	6.0	- 1.4
Ct.	5.0	- 0.4
11' W of Ct.	5.7	- 1.1
17' " " "	7.6	- 3.0

680' East of Cotton

16' West of Ct.	8.5	- 3.9
11' " " "	5.8	- 0.8
Center	5.4	- 0.8
11' East of Ct.	5.6	- 1.0
16' " " "	8.0	- 3.4

730' South Colton Ave

19' East of Ct.	4.55	8.1	- 3.5
12' " " "		5.3	- 0.7
Ct.		4.9	- 0.3
11' W of Ct.		5.7	- 1.5
16' " " "		8.1	- 3.5

780' So of Colton

14' W of Ct.		8.0	- 3.4
9' " " "		5.4	- 0.8
Center		4.9	- 0.3
13' East of Ct.		5.2	- 0.6
17' " " "		8.0	- 3.4

830' South Colton

17' East of Ct.		8.0	- 3.4
12' " " "		5.4	- 0.8
Center		4.9	- 0.3
10' West of Ct.		5.4	- 0.8
14' " " "		8.0	- 3.4

880' South Colton

14' W of Ct.		8.0	- 3.4
9' " " "		5.4	- 0.8
Center		4.9	- 0.3

12' East of Ct.	4.11	4.55	5.2	- 0.6
17' " " "			7.9	- 3.3

930' South Colton

16' East of Ct.		7.8	- 3.2
11' " " "		4.8	- 0.2
Center		4.6	0.0
8' West of Ct.		5.0	- 0.4
12' " " "		7.8	- 3.2

980' South Colton

14' West of Ct.		8.1	- 3.5
8' " " "		5.2	- 0.6
Center		4.7	- 0.1
11' East of Ct.		5.2	- 0.6
14' " " "		8.2	- 3.6

1030' South Colton

14' East of Ct.		8.0	- 3.4
9' " " "		5.3	- 0.7
Center		4.9	- 0.3
8' West of Ct.		5.7	- 1.1
13' " " "		8.5	- 3.9

Brewery Road

35 35

3rd + Colton Sawls

11/3/04

1040' East of Colton

13' East of Ct	7.55	8.1	- 3.5
9' " " "		5.3	- 0.7
Center		4.8	- 0.2
7' West of Ct,		5.3	- 0.7
13' " " "		8.6	- 4.0

1045' East of Colton

13' East of Ct,		8.0	- 3.4
9' " " "		7.0	- 2.4
Center		6.3	- 1.7
10' West of Ct,		7.0	- 2.4
13' " " "		8.6	- 4.0

1065' East of Colton

13' East of Ct		8.9	- 4.3
8' " " "		7.1	- 2.5
Center		6.1	- 1.5
10' West of Ct,		6.8	- 2.2
13' " " "		8.1	- 3.5

4.30
4.1
8.41

8.32
266
12.98 J.H.
1.73
11.25
5.66
16.91 J.H.

8.09
4.98 5.78 5.78

7.50
4.69
81
4.67
81
3.86
81
8.05
82
2.23

15.57
334
18.91 J.H.
1.66
17.25
4.84
22.09 J.H.

11.25
1.73

4.325
812

11.75
2.23

14.5
4.41
4.41
3.97
2.53
4.3
3.10
4.4
2.66

5.66
81
4.85
81
4.04
81
3.23
81
2.41

14.50
2.41

16.25
16.00
0.25
4.175
4.37

16.25
2.66
2.16

8.32
4.29
12.61 J.H.
7.40
5.11
81
4.30
2.2
4.52

4.30
81
3.49
16
3.65

81

15.00 14.00 14.00

8.75

15.00 14.00 14.00

11.5 11.5 11.00

7.75

11.0 10.5 10.5

8.0 7.00

7.5 6.5

3/10.20
1.666
14974
8330
9829

19.00 19.00 19.00
14.00 14.00 14.00
L

12.5 12.5

7.50 7.50
M

6.00 6.5

10 1/4

22.09 7/11

18.84 B.m.
468
23.52 7/11

1.882
0.50

19.00
452
95
140

20.00

20.0

17.5

16.5

4225
5625

17.25
494
50
428
56
872
872
3.25

485
712
872

1125
10125
5625
66375

19.50
18.66
18.80
3.25

19.00
10 1/4 St.

19.00 19.00

17.25 17.00

16.25 16.00

9 1/4

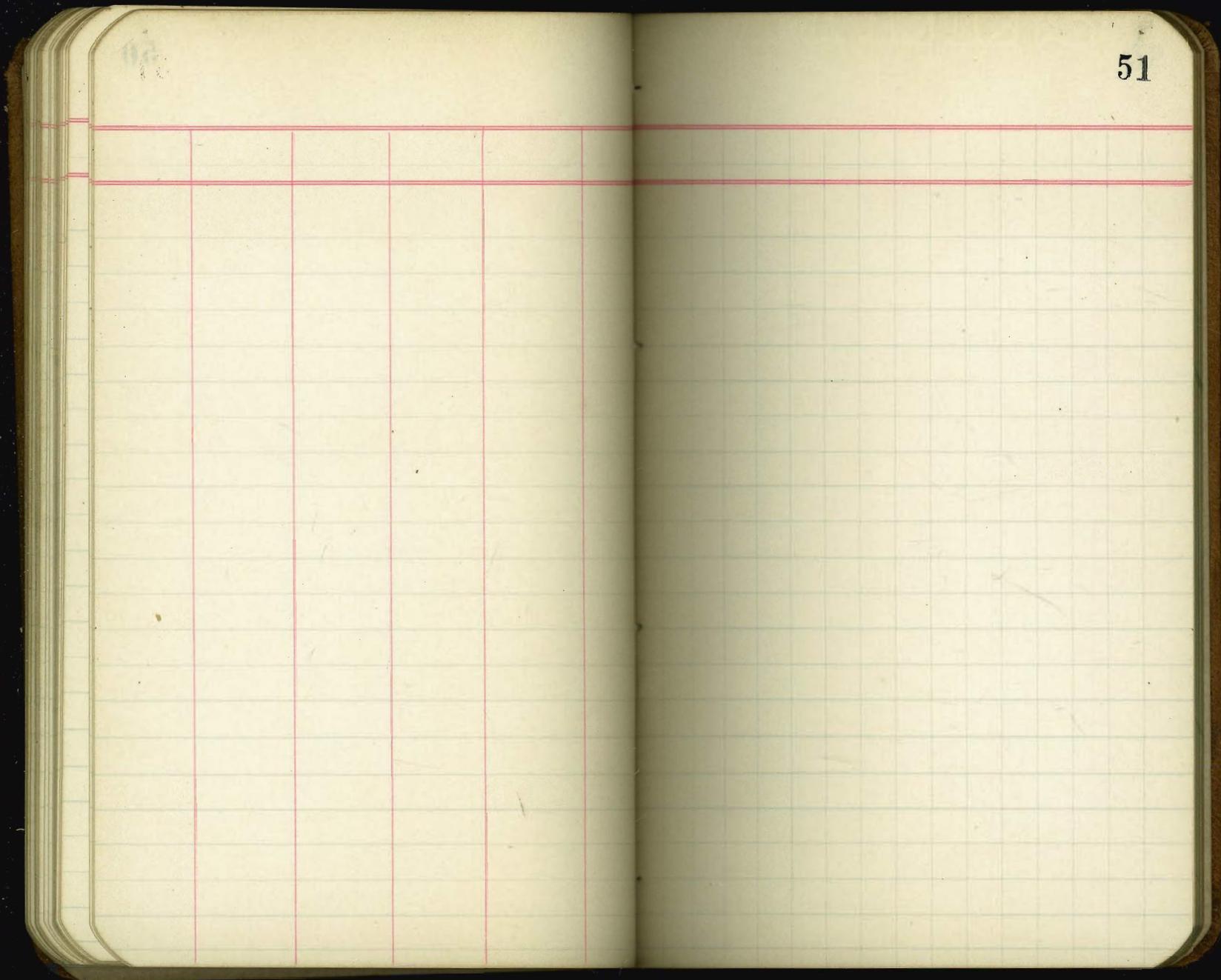
Levels over 32nd St from 70 line
of Colton to 20 line main

	d		
113	45.30		44.17
0 = 20 line Colton		10.4	34.9
+50		8.9	36.4
1		7.7	37.6
+50		4.8	40.5
2		2.8	42.5
+29		3.1	42.2
+3.9		4.3	41.0
+40 = 20 line grade road		11.0	34.3

The image shows an open notebook with two pages. The left page is numbered 38 and the right page is numbered 39. Both pages are ruled with horizontal lines and vertical lines forming columns. The pages are cream-colored and show signs of age. The notebook is bound in the center, and the pages are slightly curved. There are some small dark spots on the right page.

The image shows an open notebook with two pages. The left page is ruled with a grid of red lines, and the right page is ruled with a grid of blue lines. The number 46 is printed in the top right corner of the right page. The notebook is bound in the center, and the pages are slightly aged and yellowed.

The image shows an open notebook with two pages. The left page is ruled with a grid and has a faint '34' in the top left corner. The right page is ruled with a grid and has the number '47' in the top right corner. The notebook is bound in the center, and the pages are cream-colored with red and blue lines.



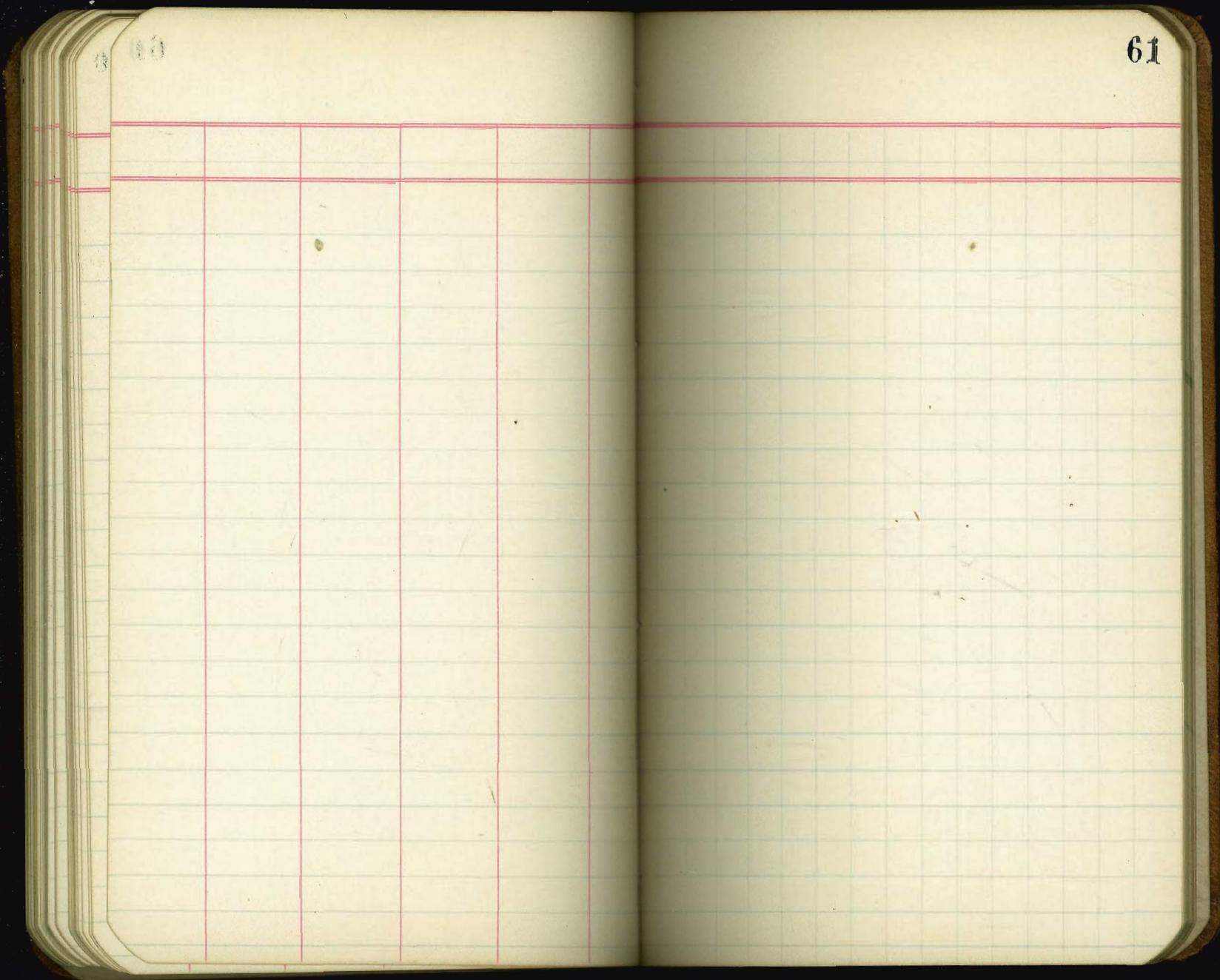
The image shows an open notebook with two pages. The left page is ruled with a grid pattern, featuring a red margin line on the left side and several vertical red lines that create columns. The right page is ruled with horizontal lines. The number '52' is printed in the top right corner of the right page. The pages are off-white and show some signs of age and use.

The image shows an open notebook with two pages. The left page is numbered '52' in the top left corner and features a vertical margin line on the left side and a red horizontal line near the top. The right page is numbered '53' in the top right corner and has a red horizontal line near the top. Both pages are ruled with horizontal lines. The notebook is bound in the center, and the pages are slightly aged and yellowed.

The image shows an open notebook with two pages. The left page is numbered 53 and the right page is numbered 54. Both pages are ruled with a grid. The left page has five vertical red lines, creating six columns. The right page has a standard grid pattern. The notebook has a dark cover, and the pages are slightly aged and yellowed.

The image shows an open notebook with two pages. The left page is ruled with a grid and has a red margin line. The right page is ruled with a grid and has the number 55 in the top right corner. The notebook is bound in the center, and the pages are slightly aged and yellowed.

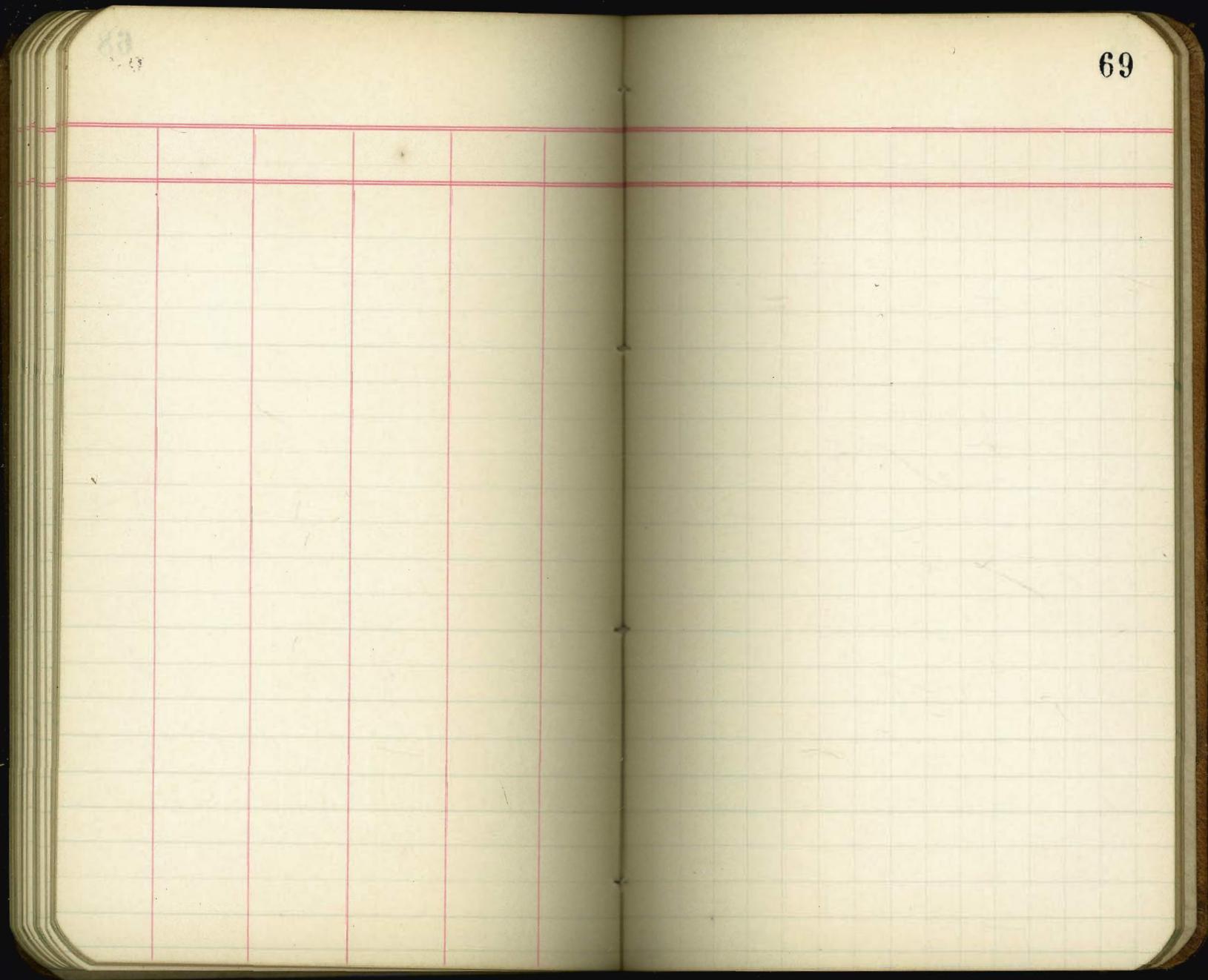
The image shows an open notebook with two pages. The left page is numbered 56 and features a grid with 5 columns and 20 rows. The right page is numbered 58 and features a grid with 10 columns and 20 rows. Both pages are blank and have a light beige background with red grid lines.



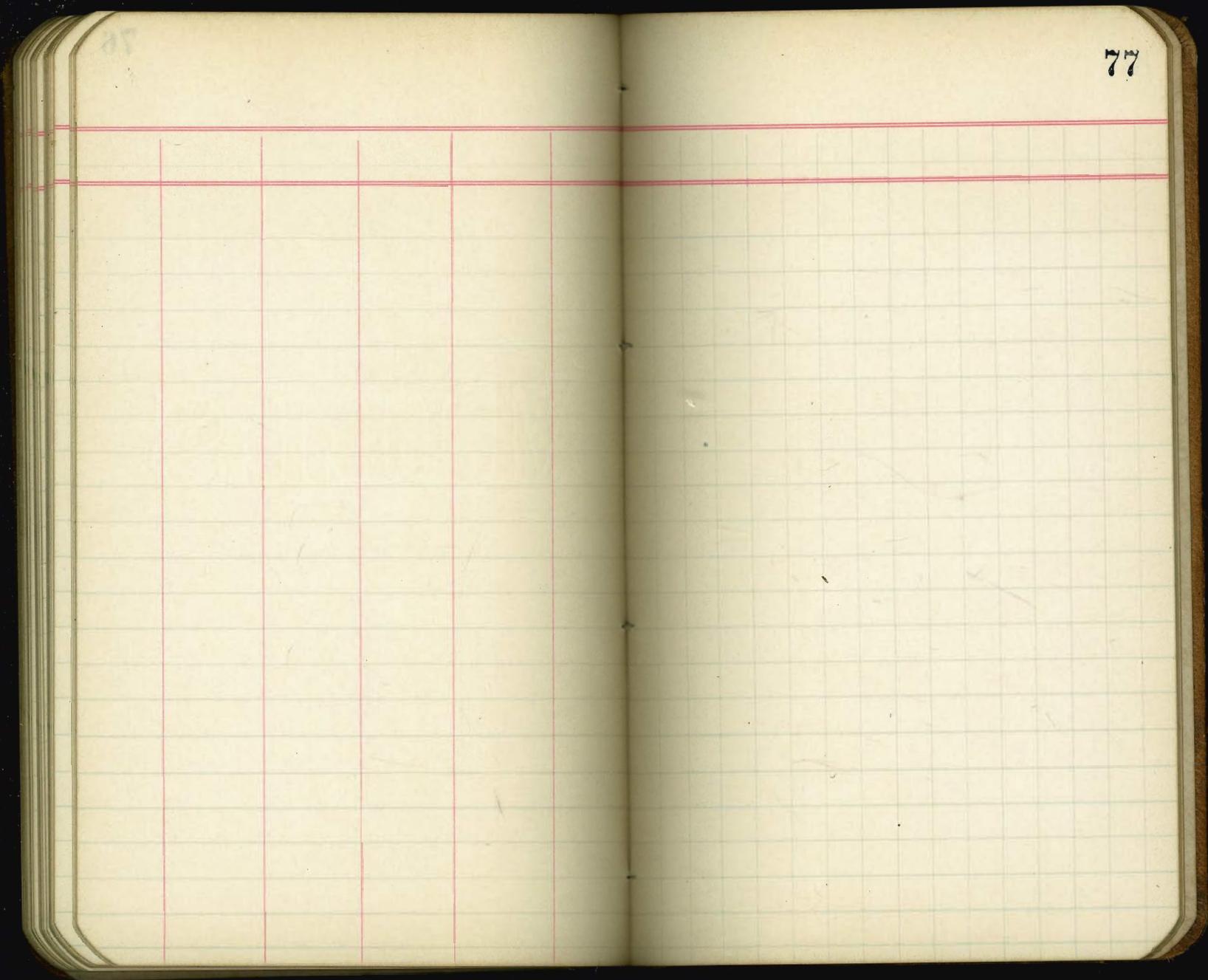
The image shows an open notebook with two pages. The left page is ruled with a grid and has a vertical margin line on the left. The right page is ruled with a grid and has the number 62 printed in the top right corner. The notebook is bound in the center, and the pages are slightly aged and yellowed.

The image shows an open notebook with two pages. The left page, numbered 63, is ruled with a grid of red lines, creating several columns and rows. The right page, numbered 64, is ruled with horizontal blue lines. The notebook has a dark cover, and the pages are slightly aged and yellowed. The binding is visible in the center crease.

The image shows an open notebook with two pages. The left page is ruled with a grid of 5 columns and 15 rows. The right page is ruled with a grid of 15 columns and 15 rows. The number 67 is printed in the top right corner of the right page. The notebook has a dark cover and the pages are cream-colored.



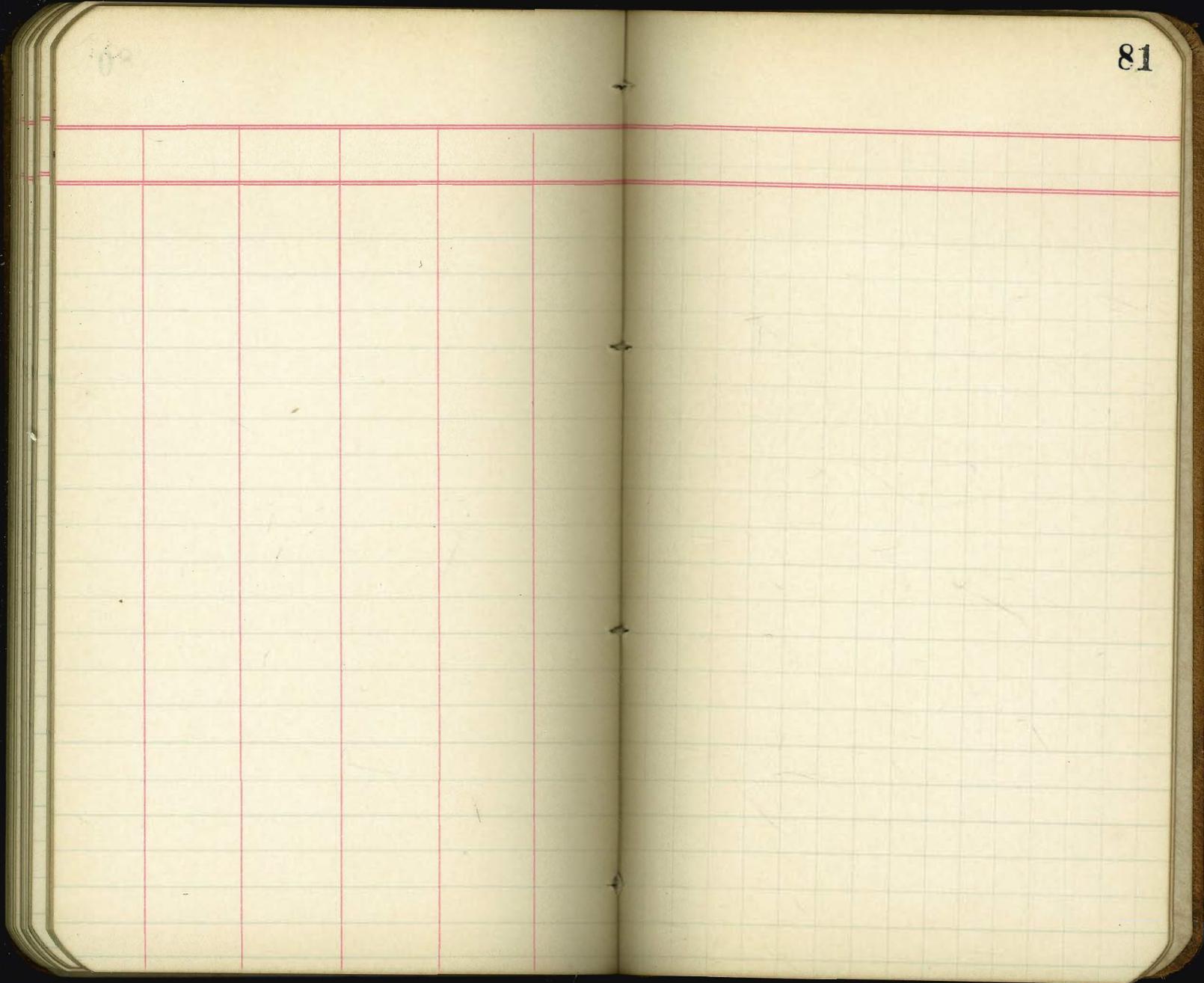
The image shows two pages from a notebook. The left page is numbered 57 and the right page is numbered 73. Both pages are ruled with a grid of red lines. The grid consists of 6 columns and 18 rows. The pages are otherwise blank.



The image shows an open notebook with two pages. The left page is ruled with a grid and has a faint 'ST' in the top left corner. The right page is ruled with a grid and has the number '78' in the top right corner. The notebook is bound in the center, and the pages are slightly aged and yellowed.

The image shows an open notebook with two pages. The left page is numbered 85 and the right page is numbered 79. Both pages are ruled with horizontal lines and vertical lines, creating a grid pattern. The pages are cream-colored and show signs of age. The notebook is bound in the center, and the pages are slightly curved. The background is dark.

The image shows an open notebook with two pages. The left page is ruled with a vertical margin line on the left side and a horizontal header line near the top. The rest of the page is filled with a grid of light blue horizontal and vertical lines. The right page has a horizontal header line near the top and is also filled with a grid of light blue horizontal and vertical lines. The pages are cream-colored and show some signs of age and wear. The notebook is bound in the center, and the dark cover is visible around the edges.



The image shows an open notebook with two pages. The left page is ruled with a grid and has a faint '18' in the top left corner. The right page is ruled with a grid and has the number '82' in the top right corner. The notebook is bound in the center with three visible staples. The pages are cream-colored and show some signs of use, including faint pencil marks and smudges.

2616
478
266.60
107
255.9
415
450

154

144
900

Return to City Engineers Office
City Hall, San Diego, Cal.

Return to City Engineers Office
TRAVERSE TABLE FOR TRANSIT BOOK.
City Hall, San Diego, Cal.
From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	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							
Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	

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