

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

400  
LEVEL

**F.B. 460**

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

Cook's Quality

Table showing the difference of latitudes and departure in running 80 chains at any course for 460 minutes.

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

MICROFILMED

TABLE FOR RUNNING ON SLOPES.

DEC 10 1964

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.

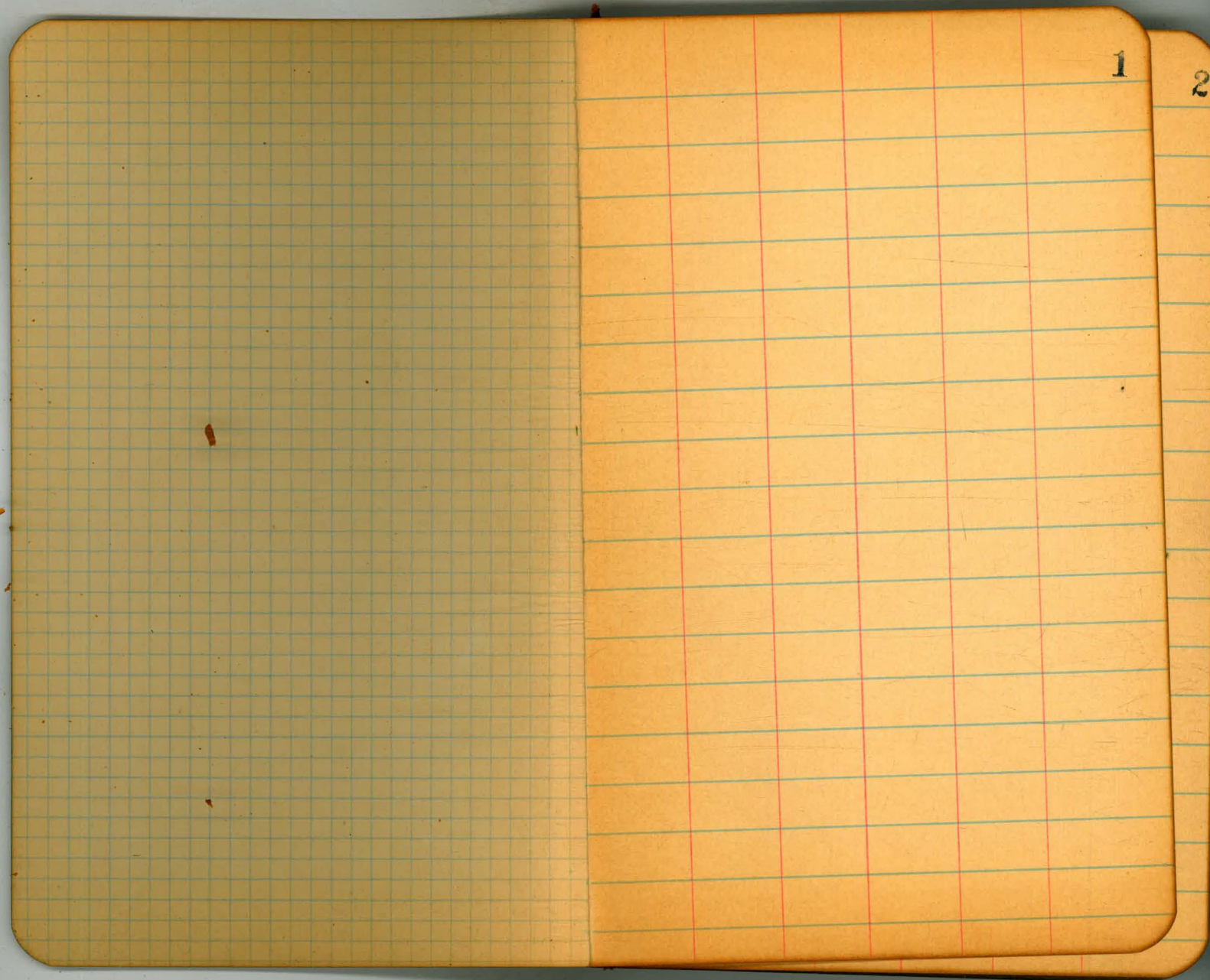
ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

Sassafraz

Pages 16-30

Upos. (data) 28<sup>th</sup> to 30<sup>th</sup>

page 32



1

2

1-section Bear St Upas To Road 41  
Bear St 60 wide  
B.M. hvt E.L. Oregon & Park Line 325.29

Drunk  
Shaw  
Regul

B.M. 9.85 335.14  
T.P. 2.26 333.65 3.75 331.39

S.L. UPAS St

N 3.2 330.5

POSTED

crk 3.2 330.5

"A 2.5 331.2

M 2.3 331.6

"A 2.4 331.3

crk 2.7 331.0

E 2.5 331.2

0+25 S. of UPAS

E 3.0 330.7

crk 2.7 331.0

"A 2.5 331.2

M 3.2 330.5

crk 3.2 330.5

crk 2.9 330.8

N 3.2 330.5

0+50

N 3.9 329.8

crk 3.9 329.8

"A 3.8 329.9

M 3.4 330.3

"A 2.6 331.1

crk 2.8 330.9

E 3.5 330.2

0+75

E 3.6 330.1

crk 3.9 329.8

"A 3.7 330.0

M 3.5 330.2

"A 3.8 329.9

crk 4.1 329.6

N 4.3 329.4

333.65

1+2

W	3.5	320.2
crk	4.2	329.5
"4	4.6	329.1
M	4.2	329.5
"4	3.9	329.8
crk	4.1	329.6
E	4.2	329.5

1+25

E	4.6	329.1
crk	4.2	329.5
"4	3.8	329.9
M	4.2	329.5
"4	5.1	328.6
crk	4.6	329.1
W	3.8	329.9

1+50

W	333.65	5.7	328.0
crk		5.6	328.1
"4		5.6	328.1
M		5.2	328.5
"4		5.2	328.5
crk		4.8	328.9
E		4.2	329.5

1+75

E		4.5	329.2
crk		5.1	328.6
"4		5.6	328.1
M		5.3	328.4
"4		5.5	328.2
crk		6.4	328.3
W		5.6	328.1

333.65

2+0

W	5.2	328.5
Crk	6.2	327.5
"A	5.7	328.0
M	4.8	328.9
"A	5.1	328.6
Crk	5.9	327.8
E	5.5	327.9

2+25

F	5.7	328.0
Crk	5.0	328.7
"A	5.3	328.4
M	6.6	327.1
"A	6.8	326.9
Crk	6.8	326.9
W	6.1	327.6

4

2+50

W	6.8	326.9
Crk	7.0	326.7
"A	6.7	326.0
M	6.2	327.5
"A	5.9	328.3
Crk	5.5	328.2
E	5.9	327.8

2+75

F	6.9	326.8		
Crk	6.7	327.0		
"A	6.9	327.3		
M	7.0	326.7		
"A	7.2	326.5		
Crk	6.8	326.9		
W	6.7	327.0		
T.P.	3.07	329.67	7.05	326.60

x. sec stake

329.320

n. side

329.67

340

W	3.1	326.6
Crk	2.7	327.0
"A	3.4	326.3
M	3.5	326.2
"A	2.6	327.1
Crk	2.0	327.7
E	3.0	326.7

342.5

E	3.2	326.5
Crk	2.8	326.9
"A	2.1	327.6
M	3.5	326.1
"A	3.8	325.9
Crk	3.9	325.8
W	4.0	325.7

5

345.0

W	329.67	2.8	326.9
Crk		3.3	326.4
"A		4.0	325.7
M		3.7	326.0
"A		3.0	326.7
Crk		2.8	326.9
E		3.0	326.7

347.5

E		2.8	326.9
Crk		3.4	326.3
"A		4.0	325.7
M		3.5	326.2
"A		2.7	327.0
Crk		3.8	325.9
W		4.7	325.0

329.67

4+0

W	4.5	325.2
cbk	4.2	325.5
"	3.7	326.0
M	3.6	326.1
"	3.6	326.1
cbk	4.0	325.7
F	3.8	325.9

4+75-

E	3.6	326.1
cbk	3.5	326.2
"	3.4	326.3
M	4.0	325.7
"	4.0	325.7
cbk	4.3	325.4
W	4.7	325.0

6

4+52

W	5.3	324.4
cbk	4.8	324.9
"	4.3	325.4
M	4.3	325.4
"	4.1	325.6
cbk	4.0	325.7
E	4.0	325.7

4+75-

F	4.2	325.5
cbk	3.9	325.8
"	4.3	325.4
M	4.2	325.5
"	3.5	326.2
cbk	3.8	325.9
W	4.7	325.0



329.67

540

W	5.7	324.0
Wh	5.1	324.6
"A	5.0	324.7
M	3.9	325.8
"A	4.3	325.4
Wh	4.6	325.1
F	4.4	325.3

5425

F	4.3	325.4
Wh	4.9	324.8
"A	5.2	324.5
M	4.5	325.2
"A	4.8	324.9
Wh	4.2	325.5
W	5.2	324.5

5750

W	6.0	323.7
Wh	6.0	323.7
"A	5.8	323.9
M	5.7	324.0
"A	5.4	324.3
Wh	5.1	324.6
F	4.1	325.6

5775

F	5.3	324.4
Wh	4.9	324.8
"A	5.6	324.1
M	5.3	324.4
"A	4.9	324.8
Wh	4.8	324.9
W	5.8	323.9

329.67

6+0 = N.L. Thorne 60 wide

W	5.6	324.1
crk	4.6	325.1
"A	4.8	324.9
M	5.2	324.5
"A	6.0	323.7
crk	6.1	323.6
F	5.4	324.3

N curb

E	5.1	324.6
crk	6.0	323.7
"A	6.3	323.4
M	6.2	323.5
"A	5.1	324.6
crk	4.9	324.8
W	5.7	324.0

N "4

8

W	5.8	323.9
crk	5.7	324.0
"A	6.3	323.4
M	6.2	323.5
"A	5.7	324.0
crk	6.1	323.6
F	5.2	324.5

Center

E	6.1	323.6
crk	5.7	324.0
"A	5.3	324.4
M	5.9	323.8
"A	6.5	323.2
crk	5.7	324.0
W	5.1	324.6

329.67

S. A. Thorne

W	5.8	323.9
cb	6.1	323.6
"A	6.3	323.4
M	6.4	323.3
"A	5.8	323.9
cb	6.0	323.7
F	6.3	323.4

S. curb

F	5.7	324.0
cb	6.6	323.1
"A	6.4	323.3
M	6.1	323.6
"A	5.7	324.0
cb	6.1	323.7
W	6.5	323.2

S. L. Thorne St

9

W	6.4	323.3
cb	6.0	323.7
"A	5.9	323.8
M	5.9	323.8
"A	6.7	323.0
cb	6.6	323.1
F	6.3	323.4

0 + 25 S. of Thorne

F	6.9	322.8
cb	7.1	322.6
"A	7.2	322.5
M	6.6	323.1
"A	7.2	322.5
cb	7.1	322.6
W	7.3	322.4

329.67

0450

N	7.9	321.8
crk	7.5	322.2
"A	6.2	323.5
M	5.9	323.8
"A	6.6	323.1
crk	6.6	323.1
F	6.7	323.0

0475

F	7.2	322.5
crk	7.3	322.4
"A	6.7	323.0
M	7.3	322.4
"A	7.8	321.9
crk	8.0	321.7
N	8.1	321.5

10

140

N	8.2	321.5
crk	6.8	322.9
"A	6.4	323.3
M	6.7	323.0
"A	7.2	322.5
crk	7.2	322.5
F	6.8	322.9

1425

F	6.6	323.1
crk	6.6	323.1
"A	7.1	322.6
M	7.0	322.7
"A	7.0	322.7
crk	7.9	321.8
N	8.3	321.4

329.67

1450

W	8.4	321.3
Crk	8.2	321.5
"A	7.7	322.0
M	7.5	322.2
"A	7.2	322.5
Crk	7.1	322.6
F	6.7	323.0

1475

F	6.7	323.0
Crk	6.8	322.9
"A	6.8	322.9
M	7.1	322.6
"A	7.5	322.2
Crk	8.0	321.7
W	8.4	321.3

270

11

W	7.8	321.9
Crk	7.8	321.9
"A	7.2	322.5
M	6.1	323.6
"A	6.0	323.7
Crk	6.1	323.6
F	6.5	323.2

T.P. 318 325.01 7.09 322.63

273.5

F	3.1	322.7
Crk	3.2	322.6
"A	2.9	322.9
M	3.3	322.5
"A	3.7	322.1
Crk	4.2	321.6
W	4.7	321.1

325.81

2+61<sup>8</sup> = N. L. SPRUCE ST. 60' NIDE

W	4.2	321.6
CRK	4.3	321.5
"A	4.1	321.7
M	3.9	322.4
"A	2.9	322.9
CRK	3.0	322.8
E	3.1	322.7

N. CURB

E	3.1	322.7
CRK	3.5	322.3
"A	3.9	322.4
M	3.6	322.2
"A	3.9	321.9
CRK	4.3	321.5
W	4.3	321.5

12

N "A

W	4.5	321.3
CRK	4.2	321.6
"A	3.6	322.2
M	3.5	322.3
"A	3.9	322.4
CRK	3.7	322.1
E	3.9	322.4

CENTER

E	3.5	322.3
CRK	3.7	322.1
"A	3.5	322.3
M	3.4	322.4
"A	3.6	322.2
CRK	4.4	321.4
W	4.6	321.2

325.81

5"9

W	4.7	321.1
crk	4.3	321.5
"9	3.8	322.0
M	3.8	322.0
"9	3.7	322.1
crk	3.5	322.3
E	3.3	322.5

5 CORK

E	3.0	322.8
crk	3.4	322.4
"9	3.7	322.1
M	3.6	322.2
"9	3.9	321.9
crk	4.5	321.3
W	4.5	321.0

13

5.61 SPRUCE

W	4.5	321.3
crk	4.3	321.5
"9	4.0	321.8
M	3.7	322.1
"9	3.7	322.1
crk	3.5	322.3
E	2.9	322.9

0+25 5 of SPRUCE

E	3.5	322.3
crk	3.7	322.1
"9	3.7	322.1
M	3.7	322.1
"9	4.0	321.8
crk	4.7	321.1
W	4.8	321.0

325.81

0+50

W	4.7	321.1
Crk	4.7	321.1
"A	4.4	321.4
M	4.1	321.7
"A	4.0	321.8
Crk	4.0	321.8
E	3.8	322.0

0+75

E	4.1	321.7
Crk	4.3	321.5
"A	4.1	321.7
M	4.3	321.5
"A	4.6	321.2
Crk	5.0	320.8
W	5.1	320.7

1+0

14

W	5.4	320.4
Crk	5.1	320.7
"A	4.8	321.0
M	4.7	321.1
"A	4.7	321.1
Crk	4.7	321.1
E	4.7	321.1

1+25

E	5.0	320.8
Crk	5.3	320.5
"A	5.2	320.6
M	5.1	320.7
"A	5.3	320.5
Crk	5.3	320.5
W	5.3	320.5



325.81

1450

W	5.6	320.2
Crk	5.5	320.3
"A	5.6	320.2
M	5.6	320.2
"A	5.6	320.2
Crk	5.8	320.0
E	5.8	320.0

1475

E	6.4	319.4
Crk	6.3	319.5
"A	6.0	319.8
M	6.0	319.8
"A	5.9	319.9
Crk	6.0	319.8
W	5.7	320.1

15

240

W	6.4	319.4
Crk	6.3	319.5
"A	6.3	319.5
M	6.2	319.6
"A	6.3	319.5
Crk	6.6	319.2
E	6.6	319.2

2420

E	6.9	318.9
Crk	6.9	318.9
"A	6.7	319.1
M	6.7	319.1
"A	6.7	319.1
Crk	6.6	319.2
W	5.9	319.9

325.81

2+50

W	6.7	319.1
erb	6.8	319.0
"A	6.9	318.9
M	6.7	319.1 POSTED
"A	6.8	319.0
erb	7.1	318.7
E	7.3	318.5

2+78  $\frac{2}{2}$  = N.L. Redwood 5757'

E	7.3	318.5
erb	7.5	318.3
"A	7.0	318.8
M	6.8	319.0
"A	7.0	318.8
erb	6.7	319.1
W	6.7	319.1
	6.75	319.06

x-section Redwood st 28<sup>th</sup> to 30<sup>th</sup> st Dunkle  
 Redwood 57 wide Shaw  
 B.M. hok N. N. Cot Beans Redwood 319.04 Dupil

B.M. 411 323.17  
 F.L. 28<sup>th</sup> st

N POSTED 3.5 POSTED  
 309.7

Wh 13.8 309.4

" 13.9 309.3

M 13.9 309.3

" 14.1 309.0

Wh 14.2 309.0

S 14.2 309.0

0+25 F. of 28<sup>th</sup> st

S 12.8 310.4

Wh 13.0 310.2

" 12.7 310.5

M 12.5 310.7

" 12.2 311.0

Wh 12.5 310.7

N 12.9 310.8

17

0+50

N 323.17 10.9 312.3

11.0

Wh 11.3 311.9

" 11.3 311.9

M 11.4 311.8

" 11.6 311.6

Wh 11.9 311.3

S 11.6 311.6

0+75

S 10.2 313.0

Wh 10.7 312.5

" 10.3 312.9

M 10.1 313.1

" 9.9 313.3

Wh 9.9 313.3

N 9.6 313.6

51

323.17

140

N	8.5	314.7
crk	8.9	314.3
"A	9.0	314.2
M	9.0	314.2
"A	9.1	314.1
crk	9.3	313.9
+4	9.2	314.0
+5	8.5	314.7
S	8.7	314.5

1425

S	8.3	314.9
crk	8.6	314.6
"A	8.0	315.2
M	7.7	315.5
"A	7.6	315.6
crk	8.1	315.1
2	8.0	315.2
3	7.5	315.7
N	7.7	315.5

18

1450

323.2

N	6.9	316.3
+7	6.7	316.5
+8	7.2	316.0
crk	7.2	316.0
"A	6.9	316.3
M	6.9	316.3
"A	7.3	315.9
crk	7.8	315.4
S	7.1	316.1

1475

S	6.2	317.0
crk	6.8	316.4
"A	6.4	316.8
M	6.0	317.2
"A	6.2	317.0
crk	6.5	316.7
N	5.9	317.3

323.17

2+0

N	5.2	318.0
crk	5.9	317.3
"4	5.5	317.7
M	5.2	318.0
"4	5.6	317.6
crk	6.1	317.1
S	6.0	317.2

2+25

S	5.5	317.7
crk	5.7	317.5
"4	5.1	318.1
M	4.8	318.4
"4	5.1	318.1
crk	5.3	317.9
N	4.9	318.3

323.2

2+70 = N.L. Bean St 60' wide

19

N	4.1	319.1
+7	4.1	319.1
+8	4.6	318.6
crk	4.5	318.7
"4	4.5	318.7
M	4.9	318.8
"4	4.9	318.3
crk	5.2	318.0
+2	5.1	318.1
+3	4.7	318.5

S	4.6	318.6
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N. 60' x 6

S	4.7	318.5
crk	5.2	318.0
"4	4.8	318.4
M	4.4	318.8
"4	4.5	318.7
crk	4.5	318.7
N	3.9	319.3

W "A

N	4.4	318.8
erb	4.4	318.8
"A	4.5	318.7
M	4.6	318.6
"A	4.7	318.5
erb	4.9	318.3
S	5.1	318.1

CENTER

S	4.9	318.3
erb	4.9	318.3
"A	4.8	318.4
M	4.6	318.6
"A	4.5	318.7
erb	4.3	318.9
N	4.2	319.0

E "A

N	4.3	318.9
erb	4.4	318.8
"A	4.7	318.5
M	5.0	318.2
"A	5.1	318.1
erb	5.4	317.8
S	5.4	317.8

E. CORN

S	5.8	317.4
erb	5.7	317.5
"A	5.2	318.0
M	5.0	318.2
"A	5.0	318.2
erb	4.9	318.3
N	4.7	318.5

323.17

E. L. Bean St

N	4.6	318.6
Crk	5.2	318.0
"A	5.2	318.0
M	5.2	318.0
"A	5.6	317.6
Crk	5.9	317.3
+7	6.1	317.1
+9	5.3	317.9
S	4.9	318.3
T.P.	7.00	326.06
4.11		319.06

0+25 E. of Bean

S	7.7	318.4
+5	8.2	317.9
+7	8.9	317.2
Crk	8.8	317.3
"A	8.5	317.6
M	8.3	317.9
"A	8.5	317.6
Crk	8.6	317.5
N	8.2	317.9

21

0+50

N	7.8	318.3
Crk	8.4	317.7
"A	8.5	317.6
M	8.5	317.6
"A	8.6	317.5
Crk	8.8	317.3
+6	8.7	317.4
+7	8.2	317.9
S	7.9	318.2

0+75

S	7.6	318.5
Crk	8.4	317.7
"A	8.4	317.7
M	8.3	317.8
"A	8.3	317.8
Crk	8.7	317.4
N	7.8	318.3

326.06

140

N	7.7	318.4
crk	8.2	317.9
1/4	7.8	318.3
M	7.7	318.4
1/4	7.8	318.3
crk	8.1	318.0
+3	8.0	318.1
+5	7.5	318.6
9	7.9	318.7

1425

5	6.9	319.2
+6	6.9	319.2
+7	7.5	318.6
crk	7.4	318.7
1/4	7.3	318.8
M	7.1	319.0
1/4	7.2	318.9
crk	7.5	318.6
N	7.2	318.9

1450

22

N	6.5	319.6
crk	6.7	319.4
1/4	6.3	319.8
M	6.1	320.0
1/4	6.3	319.8
crk	6.5	319.6
+3	6.7	319.4
+4	6.1	320.0
5	6.1	320.0

1475

5	5.5	320.6
+5	5.6	320.5
+6	6.2	319.9
crk	5.8	320.3
1/4	5.6	320.5
M	5.3	320.8
1/4	5.6	320.5
crk	6.0	320.1
+2	5.8	320.3
+3	5.3	320.8
N	5.6	320.5



326.06

2+0

N	5.1	321.0
+7	5.1	321.0
+8	5.5	320.6
crk	5.4	320.7
"9	5.0	321.1
M	4.8	321.3
"9	5.0	321.1
crk	5.4	320.7
+4	5.2	320.3
+5	5.2	320.9
S	5.3	320.8

2+25

S	5.0	321.1
+4	4.9	321.2
+5	5.4	320.7
crk	5.0	321.1
"9	4.8	321.3
M	4.6	321.5
"9	4.5	321.6
crk	4.9	321.2
+2	4.9	321.2
+3	4.5	321.7
N	4.6	321.5

326.06

2+70 = W.L. 29<sup>th</sup> 5' 60" wide

23

N	4.2	321.9
+7	4.2	321.9
+9	4.8	321.3
crk	4.5	321.6
"9	4.3	321.8
M	4.4	321.7
"9	4.5	321.6
crk	4.6	321.5
+5	4.9	321.2
+6	4.6	321.5
S	4.7	321.4

W. CUT 6 29<sup>th</sup>

S	4.6	321.5
crk	4.9	321.4
"9	4.5	321.6
M	4.4	321.7
"9	4.3	321.8
crk	4.5	321.6
+2	4.6	321.5
+3	4.1	322.0
N	4.0	322.1

326.06

W 1/2 29<sup>th</sup> 5<sup>th</sup>

N	3.8	322.3
+ 7	3.9	322.2
+ 8	4.4	321.7
Crk	4.4	321.7
"A	4.2	321.9
M	4.2	321.9
"A	4.3	321.8
Crk	4.7	321.4
S	4.9	321.2

center

S	4.5	321.6
Crk	4.5	321.6
"A	4.3	321.8
M	4.2	321.9
"A	4.2	321.9
Crk	4.4	321.7
+ 2	4.5	321.6
+ 3	4.0	322.1
N	4.1	322.0

326.06

E 1/4

24

N	4.2	321.9
Crk	4.5	321.6
"A	4.3	321.8
M	4.2	321.9
"A	4.4	321.7
Crk	4.7	321.4
S	4.7	321.4

E. Crk

S	4.9	321.2
Crk	4.9	321.2
"A	4.6	321.5
M	4.5	321.6
"A	4.5	321.6
Crk	4.5	321.6
N	4.2	321.9

326.06  
E. L. 29<sup>th</sup> ST

N	4.3	321.8
Crk	4.6	321.5
"A	4.6	321.5
M	4.6	321.5
"A	4.7	321.4
Crk	5.2	320.9
S	4.7	321.4

0+25 E. of 29<sup>th</sup> ST

S	5.1	321.0
Crk	5.3	320.8
"A	5.0	321.1
M	4.6	321.5
"A	4.8	321.3
Crk	5.0	321.1
N	4.8	321.3

0+50

N	4.6	321.5
Crk	5.4	320.7
"A	5.1	320.0
M	4.9	321.2
"A	5.2	320.9
Crk	5.6	320.5
S	5.4	320.7

0+75

S	6.0	320.1
Crk	6.0	320.1
"A	5.7	320.4
M	5.6	320.6
"A	5.8	320.3
Crk	6.0	320.1
N	5.7	320.4

326.06

140

N	6.7	319.4
+6	6.7	319.4
+7	7.4	318.7
Crk	7.0	319.1
"A	6.8	319.3
M	6.7	319.4
"A	6.8	319.3
Crk	7.0	319.1
+3	7.1	319.0
+4	6.6	319.5
S	6.7	319.4

1425

S	8.2	317.9
+5	7.9	318.2
+6	8.5	317.6
Crk	8.5	317.6
"A	8.2	317.9
M	8.1	318.0
"A	8.3	317.8
Crk	8.5	317.6
+2	8.6	317.5
+3	8.1	318.0
N	8.1	318.0

26

1450

N	9.3	316.8
+7	9.3	316.8
+8	9.9	316.2
Crk	9.9	316.2
"A	9.3	316.8
M	9.1	317.0
"A	9.4	316.7
Crk	10.0	316.1
+3	10.0	316.1
+4	9.5	316.6
S	9.6	316.5

1475

S	10.5	315.6
+6	10.4	315.7
+7	11.1	315.0
Crk	11.2	314.9
"A	10.8	315.3
M	10.5	315.6
"A	10.5	315.6
Crk	10.9	315.2
N	10.5	315.6

326.06

2+0

N	11.2	314.9
crk	11.7	314.4
"A	11.5	314.6
M	11.4	314.7
"A	11.7	314.4
crk	12.1	314.0
S	12.1	314.0
2+25		
S	12.8	313.3
crk	12.7	313.4
"A	12.0	314.1
M'	11.6	314.5
"A	12.0	314.1
crk	12.3	313.8
+ 2	12.3	313.8
+ 3	11.8	314.3
N	11.5	314.6
T.P.	4.86	318.77
12.15	313.91	

318.77

2+70 = W.L. Dale st 60' wide 27

N	4.8	314.0
crk	5.5	313.3
"A	5.2	313.6
M	4.7	314.1
"A	5.4	313.7
crk	5.6	313.1
+ 2	5.6	313.2
+ 3	5.0	313.8
S	5.2	313.6

W.D.P.L.

S	5.1	313.7
+ 7	5.0	313.8
+ 8	5.5	313.3
crk	5.4	313.4
"A	4.9	313.9
M	4.7	314.1
"A	5.1	313.7
crk	5.1	313.7
N	4.6	314.2

318.77

N. 1/4

N	4.0	314.8
crk	4.7	314.1
1/4	4.7	314.1
M	4.5	314.3
1/4	4.8	314.0
crk	5.3	313.5
+2	5.3	313.5
+3	4.7	314.1
S	5.0	313.8

Center

S	4.7	314.1
+8	4.5	314.3
+9	5.1	318.7
crk	5.1	313.7
1/4	4.7	314.1
M	4.3	314.5
1/4	4.6	314.2
crk	4.5	314.3
N	4.0	314.8

28

E 1/4

N	4.1	314.7
crk	4.5	314.3
1/4	4.4	314.4
M	4.1	314.7
1/4	4.4	314.4
crk	4.8	314.0
+2	4.8	314.0
+3	4.2	314.6
S	4.5	314.3

E crk

S	4.5	314.3
+8	3.7	315.1
+9	4.6	314.2
crk	4.7	314.1
1/4	4.3	314.5
M	4.0	314.8
1/4	4.4	314.4
crk	4.4	314.4
N	4.1	314.7

313.77

E. L. Dale St

N	3.8	315.0
crk	4.4	314.4
"A	4.2	314.6
M	4.0	314.8
"A	4.3	314.5
crk	4.6	314.2
+2	4.4	314.0
+3	3.9	314.9
S	4.4	314.4

0+25 E of Dale St

S	4.6	314.2
crk	4.9	313.9
"A	4.5	314.3
M	3.9	314.9
"A	4.1	314.7
crk	4.4	314.4
N	4.1	314.7

29

0+50

N	4.0	314.8
crk	4.4	314.4
"A	4.3	314.5
M	4.1	314.7
"A	4.4	314.4
crk	4.7	314.1
S	4.4	314.4

0+75

S	4.7	314.1
crk	4.9	313.9
"A	4.2	314.6
M	3.8	315.0
"A	4.0	314.8
crk	4.3	314.5
N	3.8	315.0

318.77

140

N	4.1	314.7
erb	4.5	314.3
"4	4.2	314.6
M	4.1	314.7
"4	4.4	314.4
erb	4.8	314.0
S	4.2	314.6

1425

S	4.6	314.2
erb	4.8	314.0
"4	4.3	314.5
M	4.0	314.8
"4	4.3	314.5
erb	4.6	314.2
N	4.1	314.7

30

1450

N	4.4	314.4
erb	4.7	314.1
"4	4.4	314.4
M	4.2	314.6
"4	4.4	314.4
erb	4.7	314.1
S	4.7	314.1

1475

S	5.0	313.8
erb	5.0	313.8
"4	4.6	314.2
M	4.6	314.2
"4	4.8	314.0
erb	5.2	313.6
N	4.8	314.0



319.77

2+0

N	5.6	313.2
erb	6.0	312.8
"A	5.5	313.3
M	5.4	313.4
"A	5.5	313.3
erb	5.7	313.1
S	5.7	313.1

2+25

S	6.3	312.5
erb	6.8	312.0
"A	6.9	311.9
M	6.7	312.1
"A	6.9	311.9
erb	7.0	311.8
N	7.0	311.8

2+66<sup>3</sup> = W.L. 30<sup>th</sup> ST

31

N	318.77	12.1	306.7
erb		11.1	307.7
"A		10.5	308.3
M		9.8	309.0
"A		9.4	309.4
erb		9.4	309.4
S		9.2	309.6

1-section UPas of Idaho to 30<sup>th</sup> 4<sup>th</sup> / 189  
 UPas of 80.6. 1000<sup>th</sup> 78.7. 1000<sup>th</sup> 189  
 M.M. Man N. for Park 330.19  
 B.M. 6.91 336.95

Dennis  
 Shaw  
 Rydell

0 + 0 = E.L. Idaho 3<sup>rd</sup> on N side UPas

S 7.2 329.8

POSTED

Crk 7.6

"A 7.3

M 7.3 329.7

"A 7.0

Crk 6.9

N 6.9 330.6

1 + 1 = E.L. 25<sup>th</sup> 3<sup>rd</sup> on S side UPas

N 5.9 331.7

Crk 5.8

"A 6.6

M 6.5 330.5

"A 6.3

Crk 6.5

S 7.9 329.6

0 + 75

32

3 336.95 7.6 329.4

Crk 7.1

"A 7.0

M 7.3 329.7

"A 7.3

Crk 7.3

N 7.1 329.9

1 + 0

N 5.9 331.1

Crk 6.9

"A 7.4

M 6.7 330.3

"A 6.9

Crk 7.5

S 7.6 329.4

336.95

1425

S	2.0	329.0
crk	7.9	
"	7.4	
M	7.1	329.9
"	7.5	
crk	7.5	
N	7.1	329.9

1450

N	7.3	329.7
crk	6.8	
"	6.5	
M	7.3	329.7
"	7.7	
crk	7.1	
S	6.8	330.2

1475

33

S	7.4	329.6
crk	7.3	
"	7.3	
M	7.0	330.0
"	6.8	
crk	6.5	
N	6.5	330.5

210 = N. 41 Utah St 80' wide

N	4.9	332.1
crk	6.9	
"	6.8	
M	6.5	330.5
"	6.2	
crk	6.8	
S	7.2	329.8

336.95

N. CORN

S	6.4	330.6
CR	5.7	
"A	5.3	
M	5.5	331.5
"A	6.3	
CR	6.0	
N	5.15	331.9
	NY "A	
N	5.7	331.3
CR	5.6	
"A	6.2	
M	6.1	330.9
"A	5.6	
CR	6.3	
S	6.4	330.6

34

CENTER

S	6.5	330.5
CR	6.3	
"A	6.4	
M	6.3	330.7
"A	5.5	
CR	4.8	
N	5.3	331.7
	E "A	
N	5.7	331.3
CR	5.8	
"A	5.9	
M	5.9	331.1
"A	5.9	
CR	5.9	
S	6.2	330.8

336.95

E CURB

S	6.5	330.7
crk	6.3	
"A	6.0	
M	5.9	331.1
"A	5.8	
crk	5.7	
N	5.7	331.3

2180 = E. L. Utah

N	4.8	332.2
crk	5.7	331.3
"A	5.7	331.3
M	5.8	331.2
"A	5.7	331.3
crk	6.1	330.9
S	5.9	331.1

35

340 = W. L. Beach 60' wide

S	6.5	330.5
crk	6.2	330.8
"A	5.5	331.5
M	6.0	331.0
"A	5.8	331.2
crk	5.7	331.3
+3	5.5	331.5
+6	4.9	332.1
N	4.7	332.3

W. CURB

N	4.7	332.4
+3	4.7	332.3
+10	5.3	331.7
crk	5.4	331.6
"A	5.5	331.5
M	5.9	331.1
"A	5.9	331.1
crk	6.2	330.8
S	6.4	330.6

W "4

S	5.8	331.2
erb	5.9	331.6
"4	5.5	331.5
N	5.8	331.2
"4	5.6	331.4
erb	5.3	331.7
N	4.6	332.4

center

N	4.5	332.5
erb	5.1	331.9
"4	5.4	331.6
N	5.7	331.3
"4	5.0	332.0
erb	4.7	332.3
S	5.6	331.4

E "4

S	5.7	331.3
erb	4.6	332.4
"4	4.8	332.2
N	5.5	331.5
"4	5.9	331.6
erb	5.0	332.0
N	4.4	332.6

E OUTL

N	4.3	332.7
erb	5.0	332.0
"4	5.1	331.9
N	5.9	331.6
"4	5.2	331.8
erb	5.3	331.7
S	6.0	331.0

336.95

3460 = E. L. Beam:

S	5.8	331.2
erb	5.5	331.5
"A	5.5	331.5
M	5.2	331.8
"A	5.0	332.0
erb	4.9	332.1
N	4.3	332.7

440

N	4.4	332.6
erb	4.7	332.3
"A	4.9	332.1
M	5.1	331.9
"A	5.2	331.8
erb	5.2	331.8
S	5.5	331.5

4425

27

S	5.1	331.9
erb	5.3	331.7
"A	5.0	332.0
M	4.9	332.1
"A	4.7	332.3
erb	4.5	332.5
N	4.0	333.0

4450

N	4.0	333.0
erb	4.4	332.6
"A	4.6	332.4
M	4.9	332.1
"A	4.7	332.3
erb	5.3	331.7
S	5.2	331.8

336.95

4780 - W. L. Sherman St 20' wide

S	4.9	332.1
cb	4.5	332.5
"A	4.9	332.1
N	5.0	332.0
"A	4.9	332.1
cb	4.5	332.5
N	4.1	332.9

W. curb

N	4.9	332.1
cb	5.0	332.0
"A	5.1	331.9
N	5.1	331.9
"A	5.2	331.8
cb	5.3	331.7
S	5.3	331.7

W "A

38

S	5.6	331.4
cb	5.7	331.3
"A	5.4	331.6
N	5.1	331.9
"A	5.2	331.8
cb	5.2	331.8
N	5.0	332.0

center

N	5.0	332.0
cb	5.1	331.9
"A	5.1	331.9
N	5.2	331.8
"A	5.3	331.7
cb	5.5	331.5
S	5.2	331.8



336.95

E "4

S	4.3	332.7
crk	5.4	331.6
"4	4.7	332.3
M	4.4	332.6
"4	4.9	332.1
crk	4.9	332.1
N	4.9	332.1

E CURB

N	4.8	332.2
crk	5.3	331.7
"4	5.5	331.5
M	5.8	331.2
"4	6.0	331.0
crk	6.1	330.9
S	5.5	331.5

39

5+60-E.L. Sherman

S	5.9	331.1
crk	5.9	331.1
"4	5.7	331.3
M	5.8	331.2
"4	6.0	331.0
crk	5.7	331.3
N	5.2	331.8

T.P. 237 334.30 5.22 331.73

6+0

N	4.3	330.3
crk	4.7	329.9
"4	4.7	330.4
M	3.8	330.8
"4	4.4	330.2
crk	5.1	329.5
S	4.4	330.2

339.60

67.30 = W.L. 29<sup>th</sup> St 60' wide

S	5.7	328.9
Crk	6.0	328.6
"4	5.6	329.0
M	5.4	329.2
"4	5.5	329.1
Crk	5.5	329.1
N	4.7	329.9

W. center

N	5.8	328.8
Crk	5.5	328.8
"4	5.8	328.8
M	5.9	328.7
"4	6.1	328.5
Crk	6.2	328.4
S	5.9	328.7

W "4

40

S	6.0	328.6
Crk	6.4	328.2
"4	6.5	328.1
M	6.2	328.4
"4	5.8	328.8
Crk	6.3	328.3
N	6.3	328.3

Center

N	6.6	328.0
Crk	6.6	328.0
"4	5.6	329.0
M	6.3	328.3
"4	6.8	327.8
Crk	6.7	327.9
S	6.3	328.3

33460

E 1A

S	6.8	327.8
crk	6.9	327.7
"A	6.7	327.9
M	6.6	328.0
"A	6.2	328.4
crk	7.0	327.6
N	6.9	327.7

F curb

N	6.4	328.2
crk	7.3	327.3
"A	7.3	327.3
M	7.0	327.6
"A	6.8	327.8
crk	6.8	327.8
S	6.8	327.8

6+90 = F.L. 29<sup>th</sup> St

41

S	33460	6.4	328.2
crk		6.8	327.8
"A		7.3	327.3
M		7.8	326.8
"A		7.5	327.1
crk		7.5	327.1
N		7.0	327.6

7+25

N		8.3	326.3
crk		8.2	326.4
"A		7.9	326.7
M		8.2	326.4
"A		8.5	326.1
crk		8.8	325.8
S		8.8	325.8

33460

7+60 = W.L. Kansas St 80'

S	9.1	325.5
crk	9.5	325.1
"A	9.3	325.3
M	8.6	326.0
"A	8.1	326.5
crk	8.7	325.9
N	8.9	325.7

N E curb

N	8.7	325.9
crk	9.3	325.3
"A	9.4	325.2
M	9.5	325.1
"A	9.4	325.2
crk	9.7	324.9
S	9.9	324.7

N # "A

42

S	10.3	324.3
crk	9.7	324.4
"A	9.1	325.5
M	8.8	325.8
"A	8.7	325.9
crk	9.2	325.4
N	9.0	325.6

Center

N	8.5	326.1
crk	9.0	325.6
"A	8.4	326.2
M	8.6	326.0
"A	8.9	325.7
crk	9.9	324.7
S	10.4	324.2

33960  
E 14

S	10.5	324.1
crb	10.1	324.5
"A	9.3	325.3
M	9.4	325.2
"A	9.4	325.2
crb	9.3	325.3
N	8.7	325.9

E CORK

N	9.5	325.1
crb	10.1	324.5
"A	10.0	324.6
M	10.3	324.3
"A	10.0	324.6
crb	9.6	325.0
S	10.1	324.5

48

8+40 = E.L. Kansas st.

S	10.0	324.6
crb	10.1	324.5
"A	10.4	324.2
M	10.2	324.4
"A	10.0	324.6
crb	9.7	324.9
N	9.2	325.4

5175

N	8.6	326.0
crb	9.5	325.1
"A	9.2	325.4
M	9.2	325.4
"A	8.9	325.7
crb	9.6	325.0
S	9.9	324.7

334.60

9+0

S	9.5	325.1
crk	9.5	325.1
"A	9.3	325.3
M	9.0	325.6
"A	8.9	325.7
crk	8.9	325.7
N	8.8	325.8

9+25

N	8.6	326.0
crk	8.8	325.8
"A	8.6	326.0
M	8.9	325.7
"A	9.2	325.4
crk	9.4	325.2
S	9.4	325.2

44

9+50

S	9.4	325.2
crk	9.4	325.2
"A	8.9	325.7
M	8.4	326.2
"A	8.6	326.0
crk	8.6	326.0
N	8.0	326.6

WLDale=Sta 9+60

9+75

N	8.7	325.9
crk	8.6	326.0
"A	7.2	327.2
M	8.9	325.7
"A	9.4	325.2
crk	9.6	325.0
S	9.4	325.2

POSTED

334.60

10+0

S		9.5	325.1
crb		9.3	325.3
"4		9.2	325.4
M		9.0	325.6
"4		7.8	326.8
crb	POSTED	7.6	327.0
N		8.6	326.0
	ELDale = sta 10+20		
	10+90 = W.L. 30 <sup>th</sup> 54		
N		8.7	325.9
crb		9.3	325.3
"4		9.0	325.6
M		8.9	325.7
"4		9.2	325.4
crb		9.5	325.1
S		9.1	325.5

Everything plotted in this book to here

45

6/3/29  
 Moore  
 Thomas Columbia to Horton Ave

Profile Levels  
 Sassafras St. from

H

C

S

46

137.79 12.42 97.93 85.51

Sassafras by Tadiq. SE RR Spk in Pole.

TP 12.53 110.16 0.60 97.33

TP 12.81 122.44 0.53 109.63

El. Columbia

2.9 117.5

TP 12.86 135.28 0.06 122.38

El. "

6.1 129.1

25' E

POSTED

11.9 123.3 1.6 133.6

50'

8.5 129.7

75'

2.0 133.2

TP 12.92 148.11 0.04 135.19

El. Columbia

10.3 137.8

25'

4.8 143.3

50'

8.9 139.2 1.2 146.9

75'

5.6 142.6

100'

10.5 137.6

125'

7.2 140.9

150'

5.7 142.4



148.11  
150  
TP 13.05 161.16 0.0 148.11

75  
100  
125  
150

175  
500 W.L. State  
TP 13.04 174.11 0.09 161.07

150  
175  
500 = W.L. State

Cr  
TP 12.98 186.95 0.64 173.47

W.L. State  
25'

N C S 47  
+0.2 148.3

9.3 151.9  
13.1 148.1 5.8 155.4  
9.1 152.1 1.1 160.1  
3.2 158.0

6.7 154.5  
2.4 160.8

9.6 164.5  
11.6 162.5 5.7 168.4  
5.7 168.4 0.7 173.4

3.4 170.7  
11.06 175.4 7.3 178.2  
7.7 178.8 6.7 179.8 7.1 179.4  
4.7 181.8 5.4 181.1 8.4 178.1

6  
2  
09

18645

T.P. 4.67 188.86 426 182.19

50

3.2 185.6 6.6 182.3 13.1 175.8

75

1.6 187.3 7.6 181.3

100

2.5 185.4 10.0 178.9

125

5.6 180.3

150

10.4 178.5

T.P. 0.20 176.10 1296 175.90

75

5.6 170.5

100

7.0 169.1

125

2.5 173.6 12.6 163.5

150

7.6 168.5

175

1.9 174.2 13.2 162.9

200 W. Union St.

5.6 170.7

T.P. 2.06 162.16 1300 163.10

150

7.6 155.6

175

13.3 149.9

200 = W. Union

4.3 158.9

N

e

5 48

163.16

Cu Union

TP 105 151.12 1309 150.07

Wk Union

Ct "

EL "

35

TP 010 139.10 1212 139.00

ca

EL

35

50

TP 329 130.15 1222 126.36

EL

35

50

75

100

N C S 49

3.7 159.5

Mon. 8.8 142.3

2.99 148.1

2.6 148.5

9.8 141.3

5.2 133.9

5.0 134.1

13.2 125.9

7.1 132.0

9.2 121.0

12.8 117.4

9.4 120.8 13.0 117.2

5.4 124.8 11.7 118.5 12.5 117.7

10.3 119.9 11.3 118.9 12.1 118.1

180.15.

125

150

175

200 = W. L. Horton Ave

77.2      982    139.59    0.38    139.77

175

200 = W. L. Horton Ave

N

C

S 50

10.5    119.7    11.1    119.1    11.1    119.1

10.2    120.0    9.0    121.2    6.4    123.8

9.5    120.7    3.4    126.8

6.6    123.6

89    130.7

7.2    132.4    1.7    138.2

OSTER

Along  
Jordan  
Ridge

Cross-section of I st

E of 26 to W of 27th st

7-21-07

Bm 13062

1274 13897 146.25

E line of 26th st (Graded)

SL 122 146.8

bl 127 146.3

y 129 146.1

b 123 146.7

y 121 146.8

bl 117 147.3

nl 115 147.5

POSTED

5' E of 26th

nl 76 151.4

bl 77 151.3

y 87 150.3

b 100 149.0

y 102 148.8

bl 90 150.0

SL 82 150.8

15897

I st  
5'

25' E of 26th st

SL 53 153.7

bl 45 154.5

y 44 154.6

b 49 154.1

y 39 155.1

bl 50 154.0

nl 47 154.3

T.P 1300 17175 0.22

50' E of 26th st

nl 116 160.2

bl 116 160.2

y 112 160.6

b 122 159.6

y 123 159.5

bl 123 159.5

SL 128 159.0

171.75

	75	E of	26	th st
SL			97	162.1
ll			95	162.3
γ			85	163.3
b			78	164.0
γ			76	164.2
ll			80	163.8
n2			81	163.7

	100	E of	26	th st
n2			43	167.5
ll			52	166.2
γ			62	165.8
b			66	165.2
γ			66	165.2
ll			66	165.2
SL			57	166.1

171.75

	125	E of	26	th st
SL			38	168.0
ll			33	168.5
γ			35	168.3
b			36	168.2
γ			29	168.9
ll			31	168.7
n2			36	168.2

I 52

	150	E of	26	th st
TP	735	<u>179.07</u>	602	171.72
n2			66	172.5
ll			74	171.7
γ			76	171.5
b			77	171.4
γ			70	172.1
ll			71	172.0
SL			66	172.5

17907

	175	86	26A	
SA			44	174.7
U			46	174.5
Y			49	174.2
b			49	174.2
Y			51	174.0
U			53	173.6
U2			55	173.6

200 89 26A 25

22			34	175.7
U			30	176.1
Y			27	176.4
b			24	176.7
Y			22	176.9
U			22	176.9
SA			18	177.3

17907

I 53

225 89 26A 11

SA			18	177.3
U			24	176.7
Y			24	176.7
b			23	176.8
Y			23	176.8
U			23	176.8
U2			25	176.6

250 89 26A

22			47	174.4
U			43	174.8
Y			38	175.3
b			37	175.4
Y			31	176.0
U			28	176.3
SA			30	176.1

17907

	225'	E of	2602	25
SL			44	174.7
H			41	175.0
y			43	174.8
b			46	174.3
y			52	173.7
H			57	173.2
SL			65	172.6

	300'	E of	2602	25
SL			90	170.1
H			92	169.9
y			85	170.6
b			85	170.6
y			75	171.6
H			70	172.1
SL			67	172.4

17907

I 54

	325'	E of	2602	25
SL			91	170.0
H			102	168.9
y			100	169.1
b			101	169.0
y			111	168.0
H			115	167.6
SL			117	167.4

	350'	E of	2602	25
SL			1316	165.9
H			134	165.7
y			137	165.4
b			130	166.1
y			127	166.4
H			120	167.1
SL			103	168.3
TP	015		<u>16630</u>	12.92
				<u>16617</u>



166.30

	375	E of	26th	
SL			11	166.3
HL			12	165.1
Y			15	164.8
L			24	163.9
Y			29	163.5
HL			30	163.3
HL			34	162.9

400

	400	E of	26th	
HL			60	160.3
HL			53	161.0
Y			47	161.6
L			45	161.8
Y			40	162.3
HL			29	163.4
SL			19	164.4

166.30

	425	E of	26th	
SL			42	162.1
HL			52	161.1
Y			59	160.4
L			61	160.2
Y			72	159.1
HL			75	158.8
HL			74	158.9

455

	455	E of	26th	
HL			112	155.1
HL			105	155.8
Y			101	156.2
L			92	157.1
Y			79	158.4
HL			67	159.6
SL			53	161.0

I st  
55

16630

475 E of 26.2 W

SL			80	158.3
H			87	157.6
Y			101	156.2
b			107	155.6
Y			122	154.1
H			132	153.1
HL			142	152.1
TP	299	13682	1247	153.83
	500	E of	26 W	
n2			88	148.0
H			73	149.5
Y			56	151.2
b			43	152.5
Y			22	154.6
H			10	155.8
SL			00	156.8

15682

525 E of 26.2 W

I 56

SL			14	155.4
H			31	153.7
Y			45	152.3
b			65	150.3
Y			85	148.3
H			105	146.3
HL			121	144.7
	550	E of	26 W	
n2			154	141.4
H			112	145.6
Y			96	147.2
b			84	148.4
Y			50	151.8
H			40	152.8
SL			20	154.8

15652

575' E of 262

SL	1.9	154.9
ll	2.8	154.0
y	5.3	151.5
l	8.3	148.5
"	11.8	145.0
ll		

600' E = W 2 of 272

SL	2.8	154.0
ll	4.6	152.2
h	7.0	149.8
h	9.0	147.8
y	11.9	144.9

TP 139 145.51 1270 144.12

1455

575' E of 262

57

NR	6.2	139.3
ll	2.8	142.7
600' E =	W 2 of 272	
7.2	8.0	137.5
ll	6.3	139.2

POSTED

28th St ?

	H.I.	Rod Elev
JR	9.93	75.07

	So. line N	
--	------------	--

E line	9.0	66.1
--------	-----	------

	8.8	66.3
--	-----	------

	9.4	65.7
--	-----	------

c

	9.8	65.3
--	-----	------

	10.0	65.1
--	------	------

	10.2	64.9
--	------	------

W. line

	10.0	65.1
--	------	------

25' So. N

W. line

	8.5	66.6
--	-----	------

	8.3	66.8
--	-----	------

	8.3	66.8
--	-----	------

c

	8.4	66.7
--	-----	------

	8.8	66.3
--	-----	------

	8.0	67.1
--	-----	------

E. line

	8.3	66.8
--	-----	------

75.07  
50' So. <sup>Mar 3/10</sup>

Relied to	Barber	58	Taylor
	7.3	67.8	
	7.4	67.7	
	7.8	67.3	
	7.9	67.2	
	8.0	67.1	
	8.1	67.0	
	8.1	67.0	
	7.7	67.4	
	7.7	67.4	
	7.8	67.3	
	7.6	67.5	
	7.5	67.6	
	7.3	67.8	
	7.3	67.8	

E line

7.3 67.8

7.4 67.7

7.8 67.3

7.9 67.2

8.0 67.1

8.1 67.0

8.1 67.0

W line

75' So.

7.7 67.4

W line

7.7 67.4

7.8 67.3

c

7.6 67.5

7.5 67.6

7.3 67.8

E line

7.3 67.8

75,07  
100' So.

Eline

6.6 68.5

6.8 68.3

7.0 68.1

c

7.1 68.0

7.1 68.0

7.1 68.0

Wline

7.2 67.9

125' So.

Wline

6.7 68.4

6.6 68.5

6.6 68.5

c

6.6 68.5

6.7 68.4

6.5 68.6

Eline

6.3 68.8

75,07  
150' So.

59

Eline

6.1 69.0

6.4 68.7

6.3 68.8

c

5.3 69.8

4.8 70.3

5.5 69.6

Wline

6.2 68.9

175' So.

Wline

6.3 68.8

6.1 69.0

5.8 69.3

c

6.0 69.1

6.1 69.0

6.0 69.1

Eline

5.7 69.4

75.07

200' 20.

Eline

5.5 69.6

5.5 69.6

5.6 69.5

c

5.8 69.3

5.7 69.4

5.9 69.2

White

5.9 69.2

225' 20.

White

5.4 69.7

5.5 69.6

5.5 69.6

c

5.4 69.7

5.2 69.9

5.1 70.0

Eline

5.1 70.0

75.07

200' 20.

60

Eline

4.7 70.4

4.8 70.3

6.2 69.9

c

5.1 70.0

5.0 70.1

5.1 70.0

White

5.2 69.9

275' 20.

White

5.0 70.1

4.9 70.2

4.5 70.6

c

4.1 71.0

4.2 70.9

4.3 70.8

Eline

4.4 70.7

75:07

300' No. (No. line Webster)

E line

3.9 71.2

3.9 71.2

4.2 70.9

C

3.8 71.3

3.8 71.3

4.5 70.6

White

4.5 70.6

No. 26.

White

4.3 70.8

4.1 71.0

3.3 71.8

C

2.9 72.2

3.7 71.4

3.8 71.3

E line

3.7 71.4

75:07

No 14

E1

E line

3.6 71.5

3.7 71.4

3.7 71.4

C

3.4 71.7

3.7 71.4

4.0 71.1

White

4.1 71.0

Center

White

4.0 71.1

3.7 71.4

3.3 71.8

C

3.1 72.0

3.4 71.7

3.2 71.9

E line

3.3 71.8

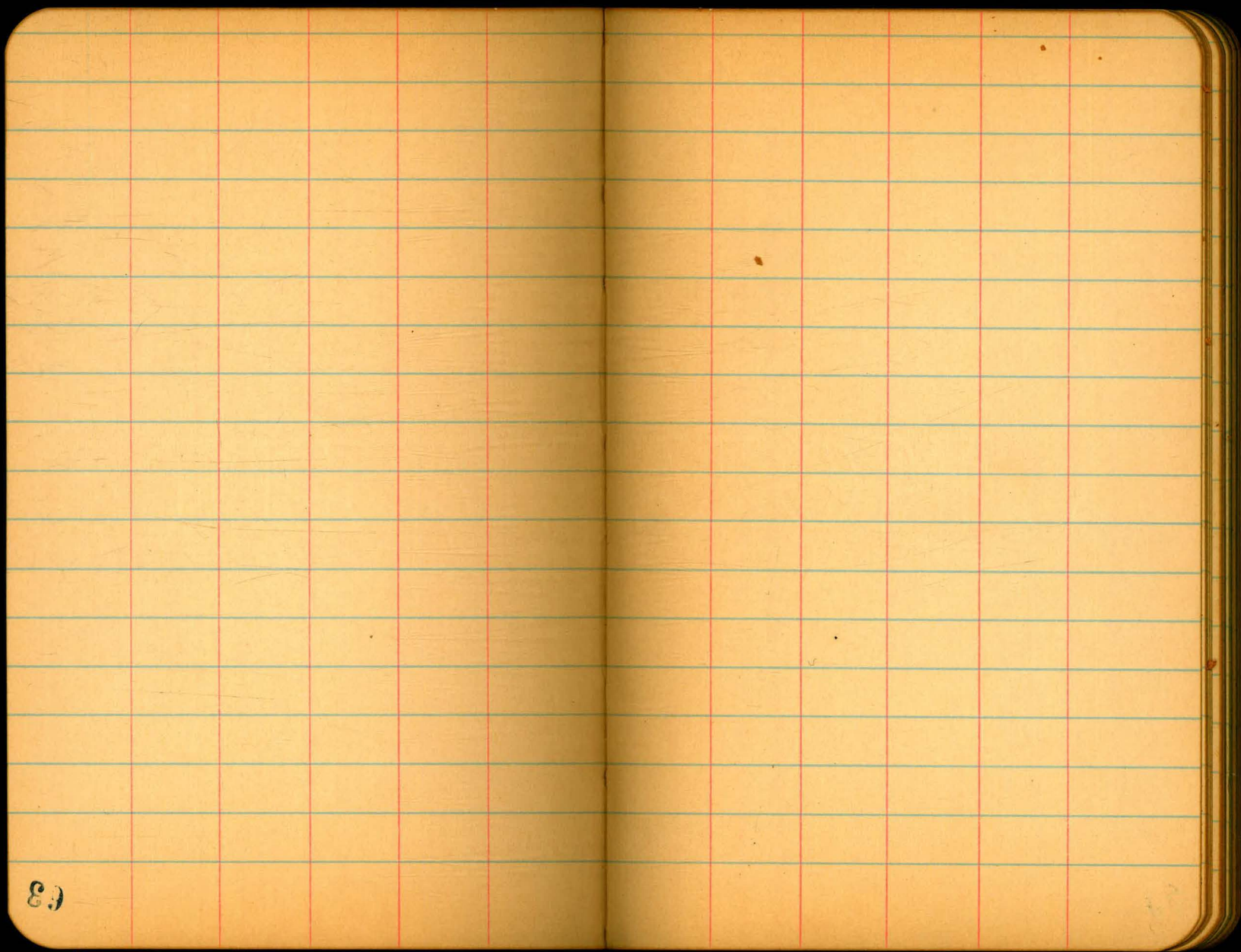
75,07  
so. 1/4

E line	3.2	71.9
	3.3	71.8
	3.5	71.6
c	3.3	71.8
	3.4	71.7
	3.5	71.6
White	3.7	71.4
	so. Eb.	
White	3.0	72.1
	3.3	71.8
	3.1	72.0
c	2.9	72.2
	3.2	71.9
	3.1	72.0
E line	3.1	72.0

75,07 Mar 3/10  
so. line Webster  
Lehilds Barber 2  
Tayler

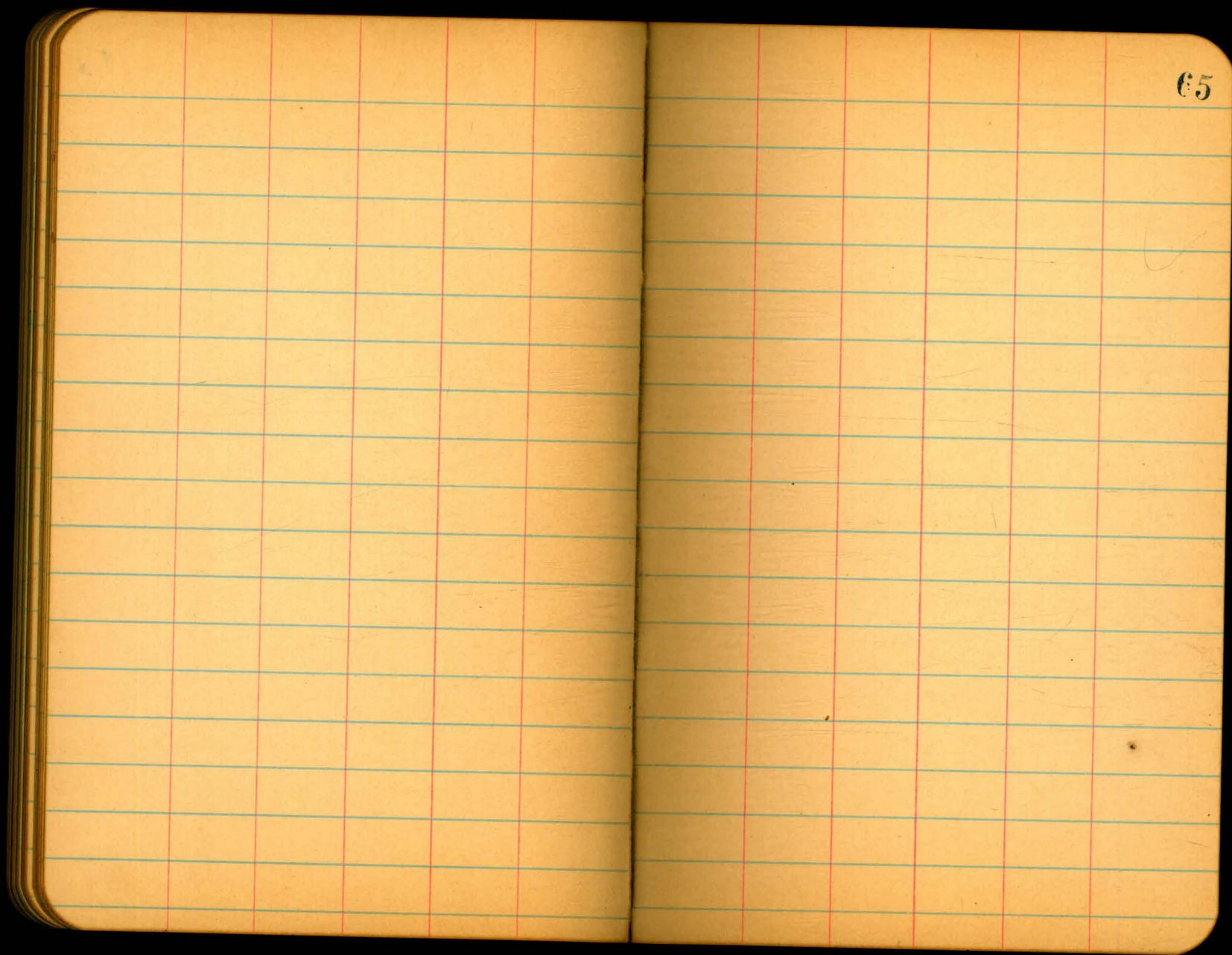
E line	3.2	71.9
	3.1	72.0
	3.0	72.1
c	2.9	72.2
	2.9	72.2
	2.9	72.2
White	2.1	73.0



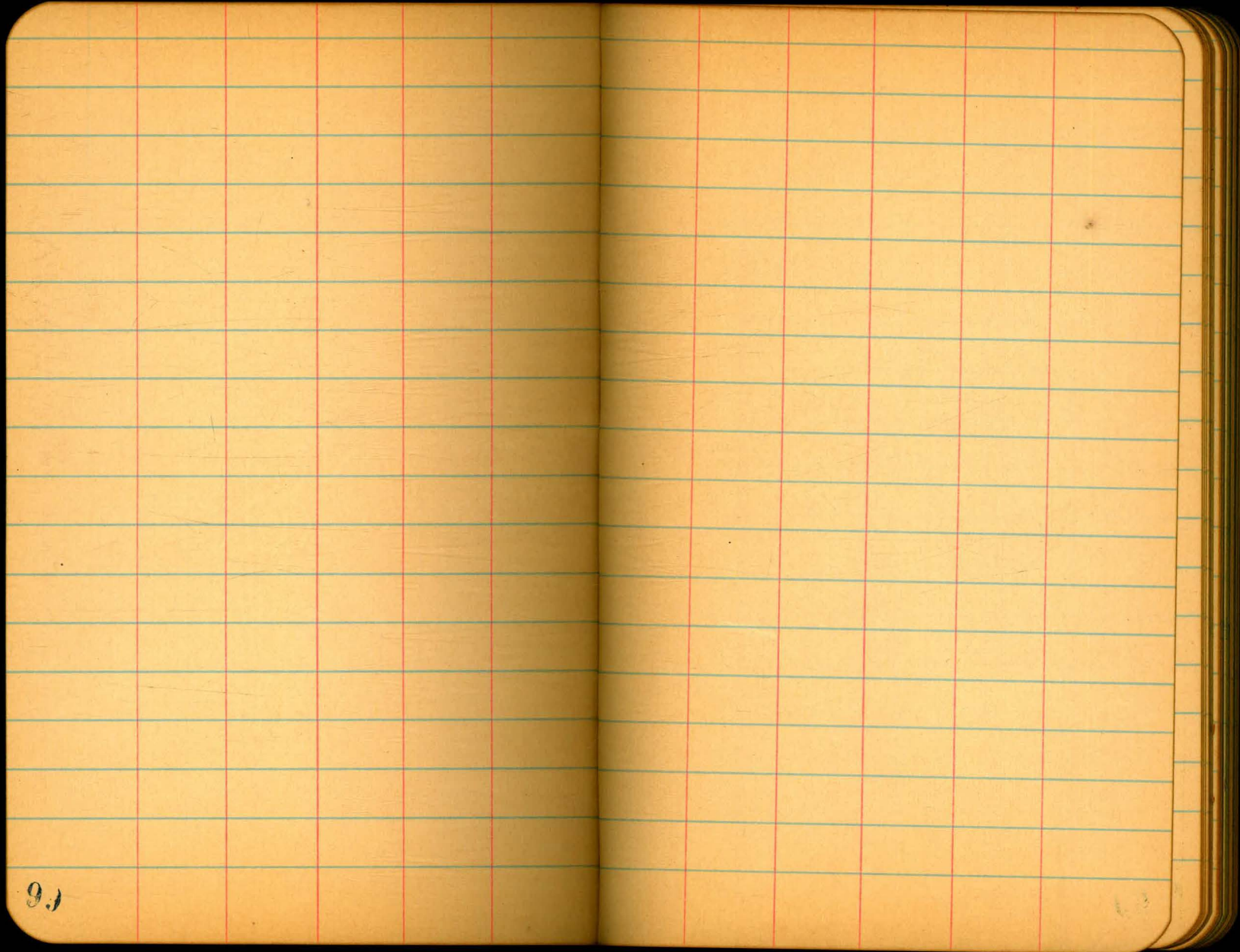


83

14

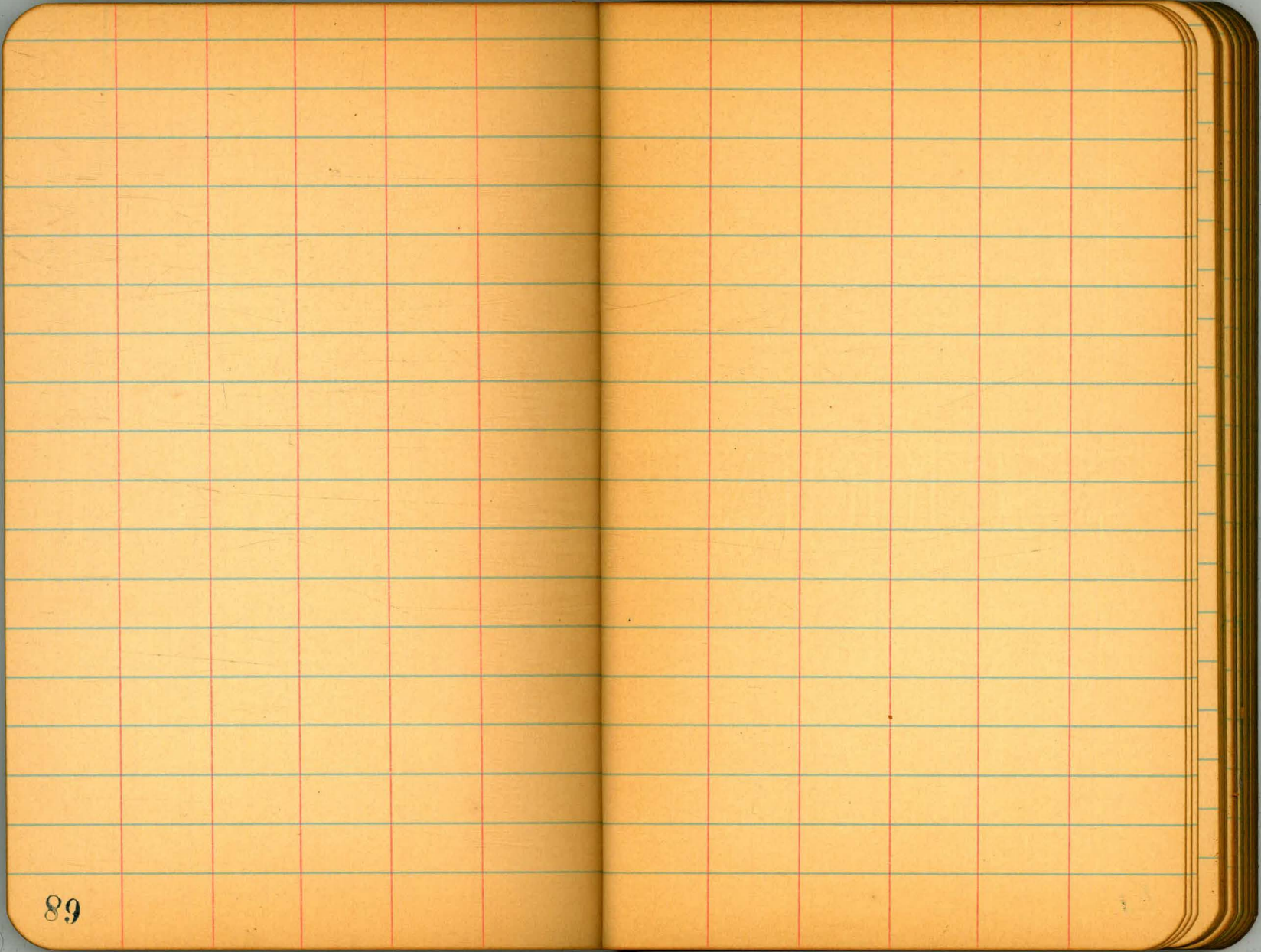


65



99

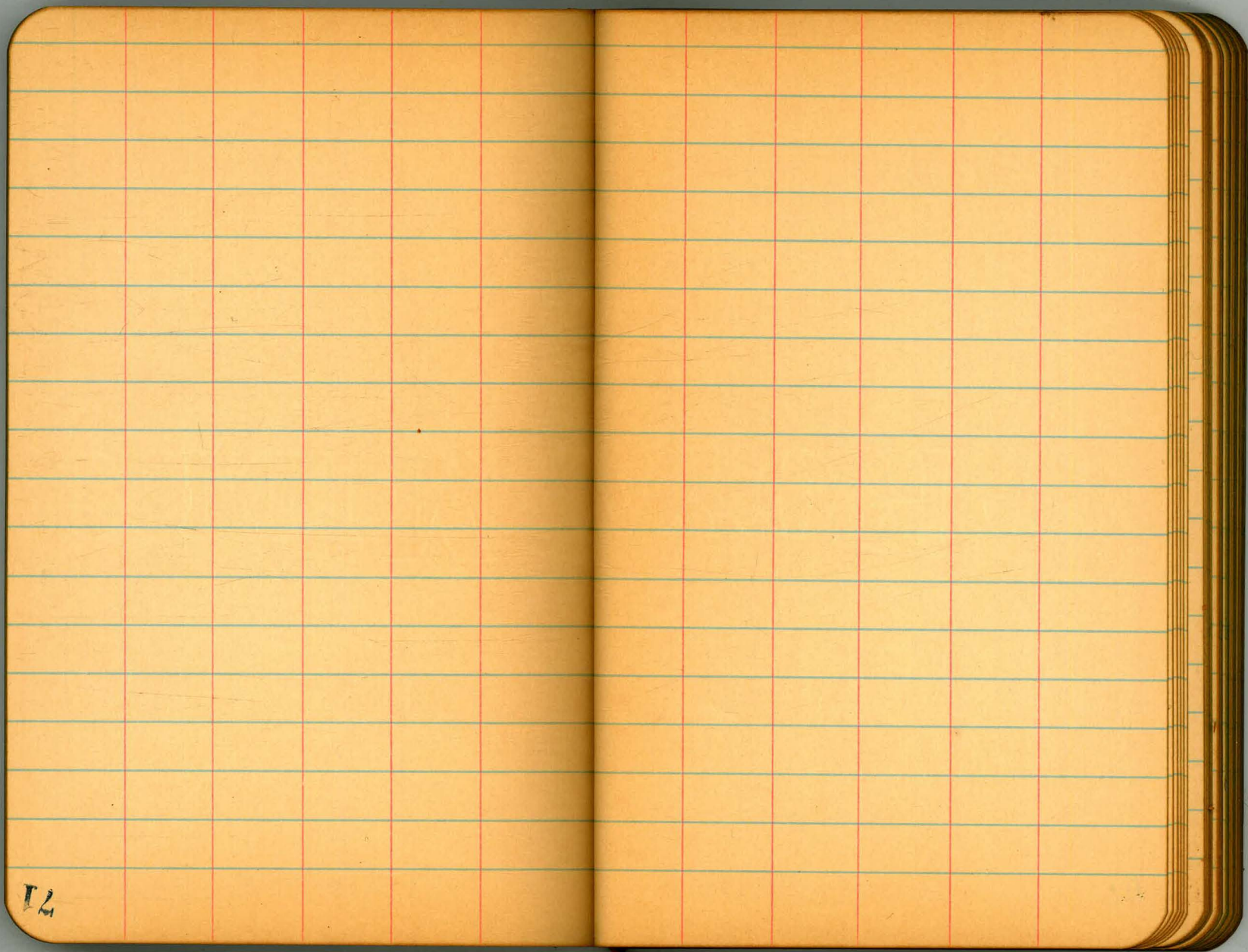




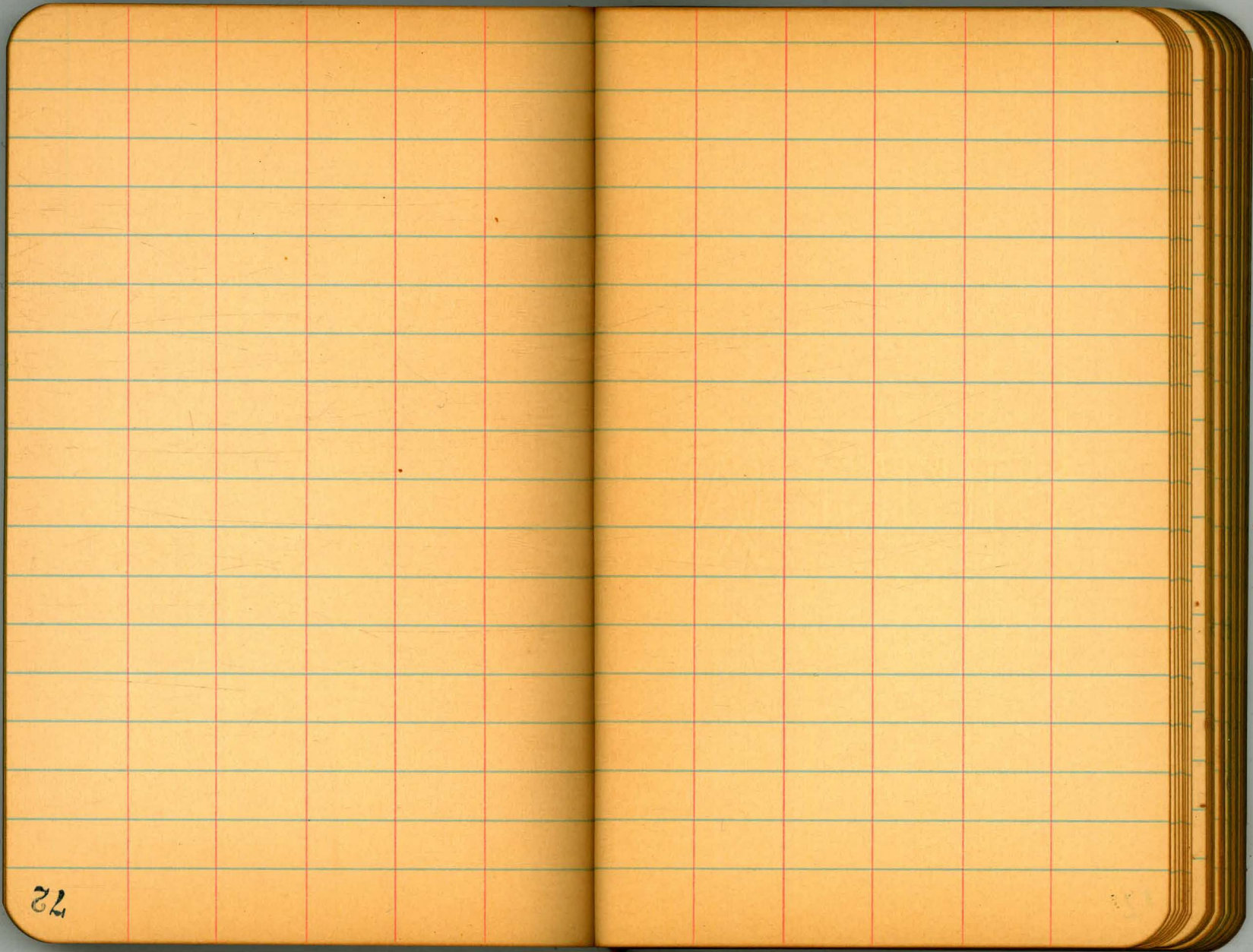
69

The image shows an open notebook with two facing pages. The pages are cream-colored and feature light blue horizontal ruling. Each page has two vertical red margin lines, one on each side of the central gutter. The right page is numbered '70' in the top right corner. The notebook is bound in the center, and the pages appear slightly aged with some minor discoloration and small dark spots. The notebook is placed on a light-colored surface.





12

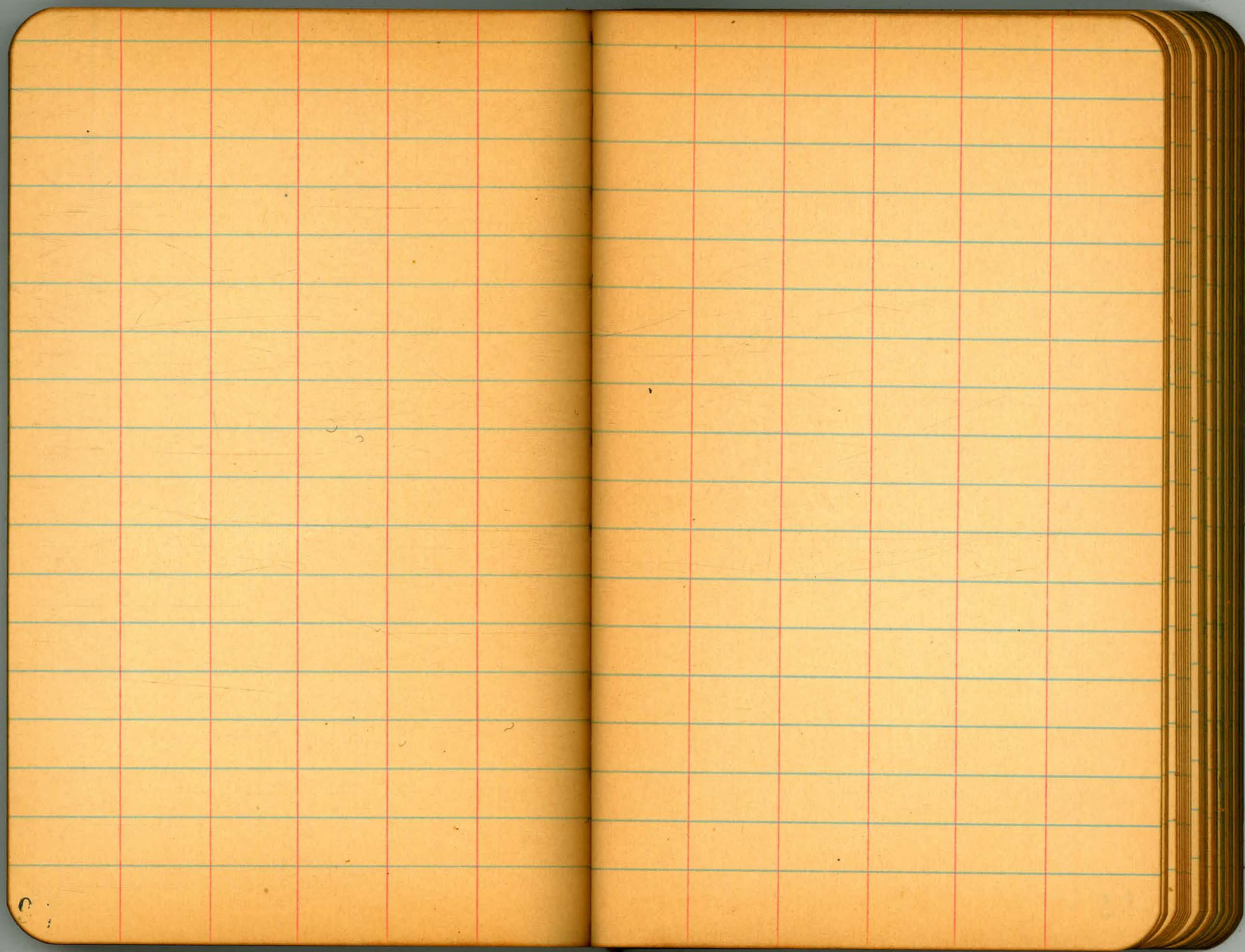


22



74







78





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

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

Degrees	DEGREES.		½ DEGREE.		¼ DEGREE.		⅓ 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							