

FIELD NOTES.
13TH ST. L to F.
14TH ST. L TO

9

TRANSIT

F. B. 706

706

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	2½	21	49	41	95½
2	4½	22	51½	42	98
3	7	23	53½	43	100½
4	9½	24	56	44	102½
5	11½	25	58½	45	105
6	14	26	60½	46	107½
7	16½	27	63	47	109½
8	18½	28	65½	48	112
9	21	29	67½	49	114½
10	23½	30	70	50	116½
11	25½	31	72½	51	119
12	28	32	74½	52	121½
13	30½	33	77	53	123½
14	32½	34	79½	54	126
15	35	35	81½	55	128½
16	37½	36	84	56	130½
17	39½	37	86½	57	133
18	42	38	88½	58	135½
19	44½	39	91	59	137½
20	46½	40	93½	60	140

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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.	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	2-68	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

Index.

FROM 1 TO 15, BENCHES.
FROM 15 TO 27, 13TH ST.
FROM 27 TO

DRAW

links to

Angle.

°
4
5
6
7
8
9
10

1 Onen den hall B line 8th St
H.H. Bench Marks

Aug 1 1887

Δ	+	HI	-	Elev	CD
BM#	9.887	112.952		103.065	
#	10.592	122.630	0.914	112.038	
#	11.605	133.341	0.894	121.736	
BM#	10.994	141.183	3.152	130.189	
#	9.900	150.362	0.721	140.462	
BM	check		7.965	142.950	142.96
#	1.095	140.644	10.813	139.549	
BM#	0.859	133.155	4.344	182.296	
#	0.523	121.941	11.757	121.418	
#	0.872	111.101	11.712	110.229	
BM#	0.864	100.778	11.187	99.914	
BM	check		10.40	100.701	100.79
#	1.572	90.482	11.868	88.910	
BM#	2.037	82.948	7.571	80.911	
BM	check		0.699	82.249	82.50
#	5.100	85.578	2.470	80.478	
BM			1.555	84.023	
BM	check		1.980	83.598	83.60
#	1.212	80.735	2.055	79.523	
BM	check		10.500	70.295	

8th & A

8th & Ash N.E. spike in post.

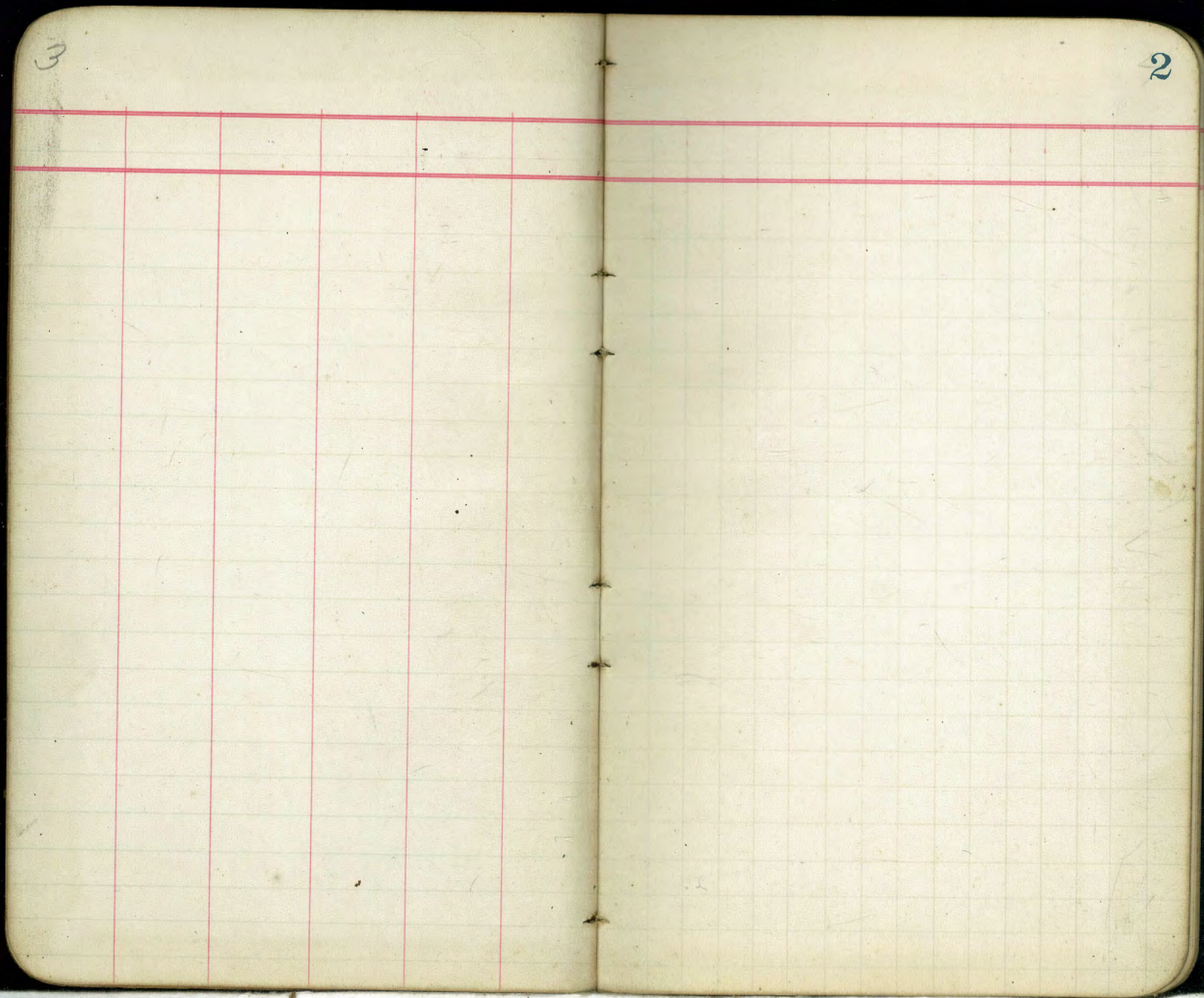
Ash & 7th N.W. Spike in post.

Ash & 6th N.W. Iron pin 8ft
S of cor.

Ash & 5th N.E. Iron pin 6'
from corner.

Ash & 4th N.E. Spike in post.

Ash & 3rd



5.

3

The image shows an open notebook with two pages. The left page has a header section at the top, followed by a grid of red lines. The right page is also a grid of red lines. The grid consists of 10 columns and 20 rows. The first two rows are wider than the others, forming a header section. The remaining 18 rows are smaller. The grid is formed by 11 vertical red lines and 22 horizontal red lines. The notebook is bound in the center, and the pages are slightly aged and yellowed.

18th Ave.
H.H.

11th St. B.M. A
" Aug 4 1887

	Δ	+	HI	-	Elev	BB
BM #	7.356		72.693		65.337	
BM #	7.226		78.873	1.044	71.649	
BM #	9.20		87.346	0.729	78.146	
BM #	7.437		91.937	2.846	84.500	
BM			check	3.540	88.397	
BM #	11.541		100.357	2.521	89.416	

11 & E
 11 & D S. C. cement walk
 5' S' 6' W of corner
 11 & C N. C. Iron pin 6" from
 corner post
 11 & D N. W. S. spike in post
 11 & A. N. C. Iron pin 6" from
 corner

98. m. Ash Levels
HH

Aug 5 1887

5

Δ	+	II	-	Elev	BB
BM#	1.350	90.746		89.416	
#	1.090	80.021	11.815	78.931	
BM	check		9.932	70.089	
BM#	4.170	74.861	9.330	70.691	
#	10.880	85.026	0.715	74.146	
BM#	11.324	95.422	0.928	84.098	
#	11.541	106.121	0.842	94.580	
BM			3.051	103.070	

Ash & 10 S.C. Spike in cor

Ash & 9 N.C. Spike in cor

11

L. J. Con
H. H.

10TH St Aug 6 1897

6

A	+	HI	-	Elev	BB
---	---	----	---	------	----

BM#	5.311	76.002		70.691	
#	10.927	84.897	2.082	78.970	
#	10.348	94.089	1.156	88.741	
BM			7.860	86.229	
#	10.803	104.199	0.723	93.366	
#	10.585	114.072	0.712	103.487	
Bm	check		6.474	107.598	
#	11.550	119.148			
BM#	11.990	129.332	1.586	117.562	
#	12.182	139.023	0.709	128.843	
BM#	11.302	148.358	1.969	137.056	137.12
BM			7.855	140.703	
#	11.819	159.890	0.787	147.571	
#	9.921	168.590	0.721	158.669	
BM			9.028	159.562	
BM#	5.109	169.348	4.380	164.210	
BM			10.959	158.389	

10 & A

10 & Ash NW Spike in tel pole

10 & Beech NW Spike in post

10 & Cedar S.W. Spike 6" from corner

10 & Gate Spike in tel pole
50' S of S.W. cor.Gate & 9 S.W. Iron pin 6"
from cornerGate & 8 S.E. Iron pin 6"
from cornerGate & 7 S.E. Iron pin 6"
from corner

13

Δ	+	HI	-	Elev	BB
BM	1469	159.858		156.389	
#	2.666	151.207	11.917	148.541	
BM			9.170	142.037	
#	1476	143.172	9.511	141.696	
			9.02	134.152	
BM	5583	137.322	11.430	131.799	
BM			6.624	130.698	
#	7.419	142.744	1.997	135.325	
BM#	10.241	150.356	2.629	140.115	140.14
#	9.209	158.699	0.896	149.460	
BM#			6.484	152.211	

7

Gate 6 S.E. Iron pins 6"
from corner.

58 Gate SW Iron pins 6"
from corner.

58 Elm St. W Spike tel pole

58 Fir Spike in tel pole
50' S of corner

15

13th St North of D. St. $\frac{2}{2}$

Sta	+ N.S.	-	Elev.
B.W.	2.13	10.08	7.95
0			6.12 3.96
+10			5.47 4.61
+20			5.05 5.03
+30			4.90 5.18
+40			4.91 5.17
+50			5.47 4.61
+56			5.49 4.59
+66			5.38 4.70
B.W.	2.22	10.17	7.95
+91			4.76 5.41
1+16			4.82 5.35
+41			4.54 5.63
+66			4.21 5.96
+91			3.50 6.67
2+16			3.15 7.02
+41			2.99 7.18
+66			2.53 7.64
+91			2.42 7.75
3+16			1.39 8.78
T.P.	5.71	13.43	2.45 7.72

8

Spitel 50' E. 13+L.

17

13th St North of S. St. ^d

Sta	+	H.S.	-	Elev.
3+41		13.43	2.77	10.66
+61			1.80	11.63
+81			1.43	12.00
4+01			1.16	12.27
+21			1.74	11.69
T. P.	10.55	22.93	1.04	12.39
+46			10.97	11.96
+71			9.78	13.15
+96			8.50	14.43
5+21			7.18	15.75
+46			5.94	16.99
+71			4.69	18.24
+96			2.51	20.42
T. P.	11.80	33.84	0.89	22.04
6+21			10.60	23.24
+46			7.66	26.18
+71			5.70	28.14
+96			3.39	30.45
7+21			0.33	33.51
T. P.	5.16	36.68	2.32	31.52
B.M.	11.71	46.94	1.46	35.22

9

S. Line K. St.

K. St.

N. Line K. St.

Sp. tel pole N. W.

S. Line J. St.

Sp. post S. W. Jr. 13.

19

13th St North of E. St. S.

Sta	+	N.L.	-	Elev.
7+41		46.94	12.00	34.94
+61			10.93	36.01
+81			10.88	36.06
8+01			9.50	37.44
+26			8.06	38.88
+51			7.57	39.43
+76			6.91	40.03
9+01			6.37	40.57
+26			6.03	40.91
+51			5.53	41.41
+76			5.26	41.68
10+01			4.66	42.28
+26			4.06	42.88
+51			3.69	43.25
+76			3.05	43.89
11+01			2.57	44.37
B.W.	5.27	50.52	1.68	45.26
+21			6.17	44.35
+41			5.71	44.81
+61			5.88	44.64
+81			5.33	45.19

10

J. St

N. S. J. St.

S. Lined St.

J. St

N. S. J. St.

21

13th St North of D. St ²/₄

Sta	+	H.S.	-	Elev.
12+06		50.52	5.84	44.68
+31			7.57	42.95
+56			8.65	41.87
+81			8.48	42.04
13+06			7.61	42.91
+31			6.62	43.90
+56			5.86	44.66
+81			4.83	45.69
14+06			3.95	46.57
+31			2.93	47.59
+56			2.70	47.82
+81			1.88	48.64
B.W.	6.94	56.76	0.71	49.81
15+06			7.62	49.14
+31			6.99	49.77
+56			6.86	49.90
+81			6.29	50.47
16+06			5.98	50.78
+31			5.85	50.91
+56			5.50	51.26

11

S. Line H. St.
Elec Mast. Lowest Iron base.

H St.

W. L. H St

13th St North of L. St.

Sta	+	H.I.	-	Elev.
16	+81	56.76	5.36	51.40
17	+06		5.21	51.55
	+31		5.10	51.66
	+56		4.21	52.55
	+81		4.64	52.12
18	+06		4.88	51.88
	+31		4.88	51.88
	+56		4.60	52.16
	+81		4.05	52.71
19	+01		3.95	52.81
	+21		3.83	52.93
	+41		4.44	52.32
	+61		3.43	53.33
B.M.	9.72	62.75	3.73	53.03
	+86		9.61	53.14
20	+11		9.37	53.38
	+36		9.20	53.55
	+61		7.71	55.04
	+86		7.41	55.04
21	+11		6.98	55.77

S. C. St.

S. St.

N. C. St.

Sp. S. W. Elevation.

25

13th St North of 9th St

Sto + A.S. - Eler

21+36 62.75 5.55 57.20

+61 5.09 57.66

+86 3.55 59.20

22+11 2.79 59.96

+36 2.58 60.17

+61 2.49 60.26

Q.M. 1.03 61.72

Finis Apl 25th 88

FT 13 N.E. Sp cor

13

27

14th St North of L St

Sta	+	H.S.	-	Elev.
B. No.	7.80	13.71		5.91
0			8.21	5.50
+10			8.53	5.18
+20			8.59	5.12
+30			8.20	5.07
+40			8.36	5.35
+50			8.52	5.19
+56			8.78	4.93
+61			8.31	5.40
+86			8.37	5.34
+111			7.87	5.84
+36			7.02	6.69
+61			6.82	6.89
+86			6.97	6.74
2+111			5.38	8.33
+36			5.43	8.28
+61			5.45	8.26
+86			5.79	7.92
3+111			5.92	7.79
+36			5.83	7.88
T.P.	3.83	12.16	5.38	8.33

14

14th St. Sp. R. Bridge.

S. L. K. H.

29

14th St North of P. St.

Sta	+	H.D.	-	Elev.
3+56		12.16	4.70	7.46
+76			4.54	7.62
+96			4.50	7.66
4+16			3.58	8.58
+41			2.88	9.28
+66			2.38	9.78
T. P.	9.63	20.49	1.30	10.86
B.M.			5.17	15.32
+91			10.13	10.36
5+16			8.19	12.30
+41			7.66	12.83
+66			7.95	12.54
+91			7.84	12.55
6+16			7.08	13.41
+41			6.50	13.99
+66			5.70	14.79
+91			3.98	16.51
7+17			5.48	15.01
T. P.	3.69	18.14	6.04	14.45
+37			4.28	13.86
+57			4.41	13.73

15

K St.

W Line K St.

S. L. J. St.

J. St.

14th St North of L. St.

Sta	+	H.S.	-	Elev.
7+77		18.14	4.19	13.95
+97			3.75	14.39
B.M. 6.20	27.76			21.56
8+22			11.13	16.63
+47			10.77	16.99
+72			7.66	20.10
9+22			5.35	22.41
+47			0.74	27.02
T. P. 11.60	38.76	0.60		27.16
+72			4.04	34.72
+97			3.96	34.80
10+22			3.98	34.78
+47			4.48	34.28
+72			4.32	34.74
+97			4.50	34.26
11+17			5.55	33.21
+37			10.23	28.53
+57			6.13	32.63
+77			5.18	33.66
12+02			3.88	34.88
B.M. 8.20	45.05	1.93		36.83

N. L. J. St.

S. L. J. St.

J. St.

N. S. J. St.

N. E. C. St.

14th St North of 9th St. $\frac{S}{N}$

Sta	+	H.S.	-	Elev.
12+27		45.05	8.24	36.81
+52			5.93	39.12
+77			3.80	41.25
13+02			2.10	42.95
+27			0.85	44.20
T.P.	10.18	54.52	0.71	44.34
+52			9.34	45.18
+77			8.63	45.89
14+02			7.97	46.55
+27			7.58	46.94
+52			7.24	47.28
			6.97	47.55
B.M.			1.38	53.10

Flood Tank.

K St East of 14th St

Sta	+ H.Q.	-	Elev.
B.W.	0.77 16.07		15.30
T.P.	4.24 12.33	7.98	8.09
0		4.89	7.44
+10		4.83	7.50
B.W.	3.34 18.64		15.30
+20		3.61	15.03
+30		3.80	14.84
+40		4.06	14.58
+50		4.33	14.31
+56		4.43	14.21
+66		4.69	13.95
+91		4.69	13.95
1+16		4.57	14.07
+41		4.66	13.98
+66		4.28	14.36
+91		4.13	14.51
2+16		3.99	14.65
+39		4.17	14.47
+62		4.34	14.30
+87		4.18	14.46
3+12		3.60	15.04

W.W. Crp.

0+41 - E.S. 14th St

37

K St East of 14th $\frac{N}{S}$

Sta	+	N.S.	-	Elev.
3+37		18.64	3.45	15.19
+62			3.25	15.39
+87			2.78	15.86
4+12			2.20	16.44
T.P.	2.30	17.64	3.30	15.34
B.W.			6.39	11.25

19

G. St West of 15th St

Sta	+	A.S.	-	Elev.
B.W.	1.07	35.48		34.41
T.P.	2.88	32.77	6.59	29.89
+10			4.80	27.97
+20			4.76	28.01
+30			4.85	27.92
B.W.	6.63	41.04		34.41
+40			6.25	34.79
+50			6.14	34.90
+56			6.11	34.93
+67			6.20	34.84
+92			6.23	34.81
1+17			6.09	34.95
+42			6.03	35.01
+67			5.82	35.22
+92			5.53	35.51
2+17			5.45	35.59
+42			4.09	36.95
+67			3.97	37.07
+92			2.88	38.16
3+17			1.82	40.22
+42			0.98	40.66

41

E. L. 14th St. N. of C.

Sta	+	H.S.	-	Elev.
T.P.	8.68	49.17	0.55	40.49
3+67			8.21	40.96
+92			6.97	42.20
4+08			6.60	42.57
+19			5.96	43.21
+30			5.67	43.50
+4140			5.33	43.84
+11			4.84	44.33
+22			4.78	44.39
+33			4.64	44.53
+44			4.24	44.93
+55			2.95	46.22
+66			2.51	46.66
+77			1.62	47.55
+88			0.76	48.41
+91			0.61	48.56
T.P.	6.87	55.44	0.60	48.57
1+06			6.43	49.01
+31			5.41	50.03
+56			5.49	49.95
+81			5.66	49.78

E. L. 14th St.

14th St North of S St.

Sta	+	H.O.	-	Elev.
2+06		55.44	5.04	50.40
+31			4.75	50.69
B.M.			6.89	48.55
T.P.	10.72	62.43	3.73	51.71
B.M.			0.67	61.76
B.M.	7.57	55.47		47.90
+56			3.58	51.89
+81			2.40	53.07
3+06			3.02	52.45
+31			4.92	50.55
+56			6.97	48.50
B.M.	7.74	56.27	6.94	48.53
+76			7.08	49.79
+96			6.77	49.50
4+16			7.08	49.19
+36			6.37	49.90
+61			6.04	50.13
+86			5.16	51.11
5+11			5.67	50.60
+36			5.59	50.68
+61			5.81	50.46

14.79

13.19

14.13 Sp. 1/2

8.1 Flt

7.5

11.2 Flt

14th St North of Sed. St

Sta	+	H.S.	-	Elev.
5+86		56.27	558	50.69
6+11			4.71	51.56
+36			4.63	51.64
+61			4.32	51.95
+86			3.73	52.54
7+11			3.38	52.89
+36			3.96	52.31
+56			4.54	51.73
+76			5.71	50.56
+96			7.53	48.74
8+16			9.07	47.20
P.W.	213	57.16	124	55.03
+41			10.27	46.89
+66			10.34	46.82
+91			9.86	47.30
9+16			9.71	47.45
+41			9.56	47.60
+66			7.82	49.34
+91			7.30	49.86
10+16			6.40	50.76
+41			6.83	50.33

S. E. St

E. St

W. P. C. St
W. N. C. P. Rail.

47

14th St North of G St S

Sta	+	N.D.	-	Elev.
10+66		57.16	6.54	50.62
+91			5.96	51.20
11+16			3.47	53.75
+36			1.20	55.96
T.P.	5.18	61.09	1.25	55.91
+56			3.59	57.50
+76			4.86	56.23
+96			4.33	56.76
T.P.	6.57	64.18	3.48	57.61
12+21			8.67	55.51
+46			8.06	56.12
+71			6.46	57.72
+96			5.96	58.22
13+21			4.93	59.35
+46			3.47	60.71
+71			2.36	61.82
+96			0.42	63.76
T.P.	11.37	75.37	0.18	64.00
14+21			10.82	64.35
+46			9.57	65.80
+76			7.49	67.88

24

S. Linn D. St.

D. St.

W. S. Dilt
Sp. S. W. Fina.

49

4/7/81

14th St. North of G. St. $\frac{S}{L}$

25

Sta.	+	H.S.	-	Elev.
14+96		75.37	5.60	69.77
15+16			3.62	71.75
+36			0.38	74.99
(C) W.	11.59	84.25	2.70	72.67
+56			7.51	76.74
+76			4.04	80.19
16+01			0.97	83.28
T. P.	11.40	95.46	0.19	84.06
+26			9.82	85.64
+51			6.94	88.52
+76			4.43	91.03
17+01			1.95	93.51
T. P.	11.39	106.72	0.13	95.33
+26			10.19	96.53
+51			7.92	98.10
+76			5.68	101.04
18+01			3.67	103.05
+26			2.15	104.57
+51			0.78	105.94
T. P.	10.48	116.82	0.38	106.34

S. E. C. St.

E. St.

W. E. St.

14th St North of C. St.

Sta + H.S. — Elev.

18+76 116.82 8.83 107.99

B.W. 11.54 119.64 8.70 108.12

+96 10.13 109.51

19+16 8.32 111.32

+36 8.24 111.40

+56 6.85 112.79

+81 5.10 114.54

20+06 2.99 116.65

+31 0.74 118.90

T.P. 11.66 130.60 0.70 118.94

+56 9.48 121.12

+81 8.27 122.33

21+06 5.59 125.07

+31 3.93 126.67

+56 2.16 128.44

+81 0.47 130.13

T.P. 10.12 140.36 0.36 130.24

22+06 8.25 132.11

+31 5.85 134.51

+56 4.30 136.06

B.W. 1.50 138.86

S. L. B. St.

14th B. top part S.W.

B. St.

N. Line C. St.

S. Line C. St.

6. St East of 14th $\frac{L}{2}$

Sta	+	H.S.	-	Elev.
B.W.	10.52	83.18		72.66
0			10.97	72.21
+10			8.78	74.40
+26			5.44	77.74
+30			3.12	80.06
+40			1.64	81.54
T.F.	7.82	89.02	1.18	82.00
+50			6.57	83.24
+56			5.90	83.92
+67			4.85	84.97
+92			4.27	85.55
+117			4.30	85.49
+42			4.23	85.59
+67			3.76	86.06
+92			2.63	87.19
2+17			1.64	88.18
+42			0.53	89.29

Sp. N. W.

B. St East of 14th St.

Sta	+	H.9.	-	Elev.
B. 76.	11.22	119.32		108.10
0			9.43	109.19
+10			8.35	110.94
+20			7.95	111.37
+30			6.79	112.53
+40			5.72	113.60
+50			4.68	114.64
+56			4.24	115.08
+68			3.38	115.94
+93			0.96	118.36
T. P.	10.78	129.42	0.68	118.64
+118			9.65	119.77
+43			7.57	121.05
+68			5.88	123.54
+93			4.98	124.44
2+18			3.66	125.76

B. St West of 15th St E

Sta	+	H.I.	-	Elev.
B. W.	5.76	106.62		100.86
0			11.08	95.54
+10			10.50	96.12
+20			9.73	96.89
+30			8.48	98.14
+40			7.00	99.62
+50			6.05	100.57
+56			5.39	101.23
+67			3.26	103.36
T. P.	11.08	117.46	0.24	106.38
+92			10.03	107.43
1+17			5.47	111.99
+42			1.83	115.63
T. P.	10.75	127.93	0.28	117.18
+67			7.58	120.35
+92			4.14	123.79
2+17			2.00	125.93
+42			1.83	126.10

W. W. Sp. tel.

C. St West of 15th St &

Sta	+	N.I.	-	Elev.
B.W.	10.93	88.63		77.70
0			8.65	79.98
+10			8.08	80.55
+20			7.10	81.53
+30			6.08	82.55
+40			5.23	83.40
+50			4.90	83.73
+56			4.48	84.15
+67			3.66	84.95
+92			2.90	85.73
1+17			1.48	87.15
T.P.	4.20	92.66	0.17	88.46
+42			3.98	88.68
+67			4.07	88.59
+92			3.87	88.79
2+17			4.08	88.58

left side

E. St. West of 15th St. $\frac{S}{N}$

Sta	+	N.I.	-	Elev.
B.W.	4.01	44.82		40.81
0			10.33	34.49
+10			9.37	36.45
+20			9.50	35.32
+30			8.99	35.83
+40			5.48	39.34
+50			4.78	40.04
+56			5.41	39.41
+67			6.48	38.34
+92			7.33	37.49
1+17			3.74	41.08
T.P.	6.76	51.26	0.32	44.50
+42			7.08	44.78
+67			5.97	45.29
+92			4.48	46.78
2+17			4.43	46.83
+42			4.58	46.68
+67			5.89	45.37
+92			7.08	44.18
3+17			6.86	44.40
+42			7.32	43.94

Sp. W.

0+42) W. E. 15th St.

E. St West of 15th St

Sta.	+	A.I.	-	Elev.
3+67		51.26	6.87	44.39
+92			6.20	45.06
B.M.			2.73	48.53

51.415

13th N South of D. St ²⁰/₂₀

Sta	+	N.S.	-	Elev.
B. 7W.	3.99	61.60		57.61
B. 7W.	1.45	62.69	0.36	61.24
B. 7W	5.36	62.97		57.61
0			4.42	58.55
+10			4.20	58.77
+20			4.31	58.66
+30			4.49	58.48
+40			4.78	58.19
+50			6.34	56.63
+56			7.03	55.94
+67			6.52	56.17
+92			6.53	56.16
1+17			6.72	55.97
+42			6.73	55.96
+67			6.38	56.31
+92			6.50	56.19
2+17			6.45	56.24
+42			5.60	57.09
+67			4.87	57.82
+92			4.27	58.42
3+17			4.49	58.20

Spencer S W 144 D.

Spencer S W. 134 D.

" " 144 D.

13th St South of D. St. $\frac{E}{2}$

Sta	+ H.D.	-	Elev.
3+42	62.69	3.33	59.36
+62		3.91	58.78
+82		3.78	58.91
4+02		3.30	59.39
T.P.	6.04	65.67	3.06 59.63
+22		5.75	59.92
+47		5.33	60.34
+72		4.24	61.43
+97		3.03	62.64
5+22		3.68	61.99
+47		3.25	62.42
+72		3.54	62.13
+97		3.78	61.89
6+22		3.99	61.68
+47		2.27	63.40
+72		3.53	62.14
+97		3.45	62.22
7+22		4.27	61.40
B.M.		3.92	61.75

Whim. E. St

E. St

W. Line E. St.

N. Line F. St
F+13. Sp. N. E.

D St West of 14th

Sta	+ H.D.	Elev
B. 700.	5.36	62.97
0		57.61
+10		6.91 56.06
+20		6.22 56.75
+30		5.75 57.22
+40		5.54 57.43
+50		5.70 57.27
+56		6.00 56.97
+67		6.03 56.94
+67		5.91 57.06
+92		5.70 57.27
1+17		5.46 57.57
+42		5.51 57.46
+67		5.56 57.41
+92		5.32 57.65
2+17		5.18 57.79
+42		4.86 58.11
+62		4.13 58.74
B. 700.		1.72 61.25

S. W. Spence.

to line 13th St

S. W. Spence.

13th St curve south.

Sta	H.S.	—	Elv.
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13th North of D. St

Sta	+	N.D.	-	Elev.
B.W.	199	63.23		61.24
0			4.64	58.59
+10			4.17	59.06
+20			4.19	59.04
+30			4.16	59.07
+40			4.37	58.86
+50			6.63	56.60
+56			6.62	56.61
+68			6.64	56.59
+93			6.74	56.49
+118			6.52	56.71
+43			6.00	57.23
+68			6.51	56.72
T.P.	10.87	68.20	5.90	57.33
+93			1.29	56.91
2+18			6.42	61.78
+43			5.66	62.54
+68			6.43	61.77
+93			3.44	64.16
3+18			2.52	65.68
+43			2.85	65.35

S. Line G. St.

13th St North of D. St $\frac{2}{2}$

Sta	+	Sub.	-	Below
3+63		65.20	3.11	65.09
+83			2.41	65.79
4+03			1.68	66.52
+23			0.54	67.66
B. 710	11.71	75.31	4.58	63.62
+48			6.26	69.11
+73			4.73	70.58
+98			3.81	71.50
5+23			2.64	72.67
+46			1.50	74.31
T. P.	12.03	87.00	0.34	74.97
+73			11.38	75.62
+98			10.44	76.56
6+23			9.44	77.56
+46			8.12	78.88
+73			7.13	79.87
+98			5.58	81.42
7+23			3.45	83.55
+43			1.90	85.10
+63			0.04	86.96
T. P.	11.81	95.46	0.35	86.65

B. St

N. Line B St

S. Line B St

B St

13th St North of D. St

Sta + H.S. - Elev.

7+83		98.46	9.54	88.92
8+03			7.74	90.72
B.W.			5.57	92.89
+28			5.74	92.72
+53			3.52	94.94
+78			1.83	96.63
T.P.	12.91	110.11	0.36	98.10
9+03			11.11	99.00
+28			7.09	102.02
+53			6.39	103.72
+78			3.67	106.44
10+03			1.07	109.04
T.P.	9.51	119.33	0.29	109.82
+28			8.13	111.80
+53			5.80	113.53
+78			4.03	115.30
11+03			3.06	116.27
B.W.			3.37	115.96

W. Line B St
 Sp. to B+13 E

S. Line A St.
 C/P S E. at 13th

Dist West of 14th St

40

Sta	+ H.D.	-	Elw.
Q.7W.	5.68	63.29	57.61
0			6.66 56.63
+10			6.22 57.07
+20			5.86 57.43
+30			5.62 57.67
+40			5.63 57.66
+51			5.94 57.35
+66			5.84 57.45
+91			5.93 57.36
1+16			5.52 57.77
+41			5.28 58.01
+66			5.32 57.97
+91			5.08 58.21
2+16			5.02 58.29
+41			5.03 58.26
+66			5.16 58.13
+91			4.99 58.30
3+16			5.24 57.05
+41			5.43 57.86
+66			5.31 57.98
+91			5.57 57.72

Spence S.W. 14th St.

D. St West of 14th St $\frac{R}{L}$

Sta	+	N.S.	-	Elw.
4+16		63.29	5.57	57.72
+41			5.74	57.55
B.W.			1.02	62.27

15+ D. Corp. N.E.

J. St West of 15th St

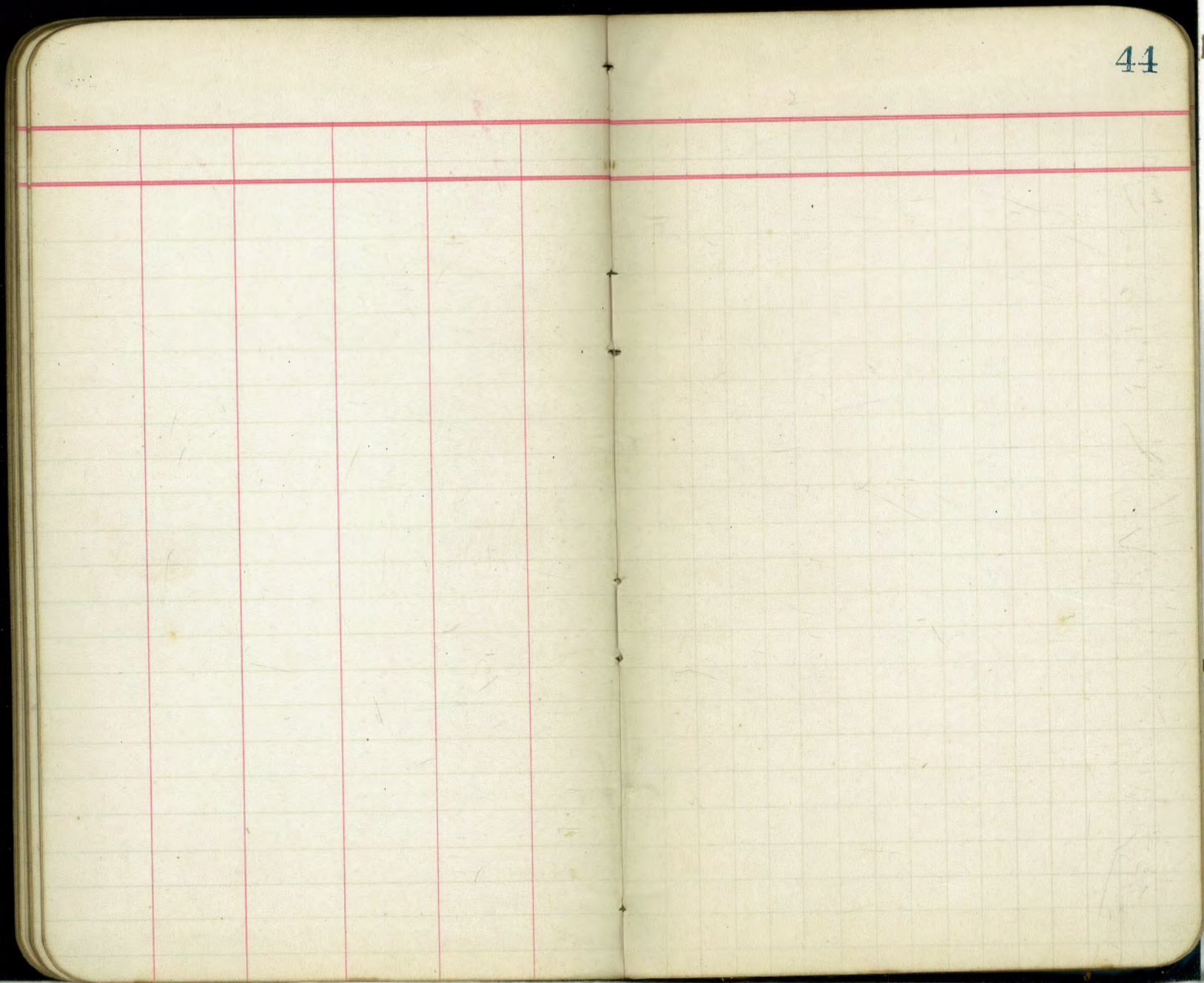
Sta.	+	H.S.	-	Elev.
B.W.	5.29	26.85		21.56
0			5.93	20.92
+10			5.55	21.30
+20			5.17	21.68
+30			5.06	21.79
+40			5.03	21.82
+50			4.90	21.95
+57			4.98	21.87
+67			4.87	21.98
+92			5.05	21.80
1+17			5.17	21.68
+42			5.29	21.56
+67			5.32	21.53
+92			5.35	21.50
2+17			5.36	21.49
+42			5.39	21.46
+67			5.42	21.43
+92			5.47	21.38
3+17			5.50	21.35
+42			5.55	21.30
+67			5.64	21.21

top J.W. 1539

St West of 15th St 2.

Sta	+	H.I.	-	Elev.
3+92		26.85	5.52	21.33
4+17			5.44	21.41
+42			5.27	21.58
B.W.			5.30	21.55

Sp. S. W. 14th St.



The image shows an open notebook with two pages. The left page is ruled with a grid of red lines, featuring two vertical margin lines and several horizontal lines. The right page is ruled with a grid of blue lines. The notebook is bound in the center with a metal fastener. The pages are off-white and show some signs of wear and discoloration.

The image shows an open notebook with two pages. The left page is ruled with horizontal lines and features a prominent red margin line near the top. Below this margin, there are four vertical red lines that create five columns of varying widths. The right page is ruled with a standard grid pattern. The notebook is bound in the center with visible stitching. The pages are off-white and appear slightly aged. The number '47' is written in blue ink in the top right corner of the right page.

14th St South of G. St #

Sta + H.D. - Elev.

B.W. 5.78 53.68 47.90

0 9.86 43.82

+6 9.77 43.91

+16 9.44 44.24

+26 9.05 44.63

+36 8.91 44.77

+45 8.98 44.70

+55 8.80 44.88

+65 8.21 45.47

+74 6.90 46.78

+87 5.72 47.96

1+12 3.41 50.27

+37 2.86 50.82

+62 2.79 50.89

+87 3.14 50.54

2+12 3.75 49.93

+37 4.03 49.65

+62 4.60 49.08

+87 4.80 48.88

3+12 5.00 48.68

+37 5.07 48.61

B.M. 0.58 53.10

14th St South of G St
Sta + H.O. - Elev.

B.W.	1.72	54.82	53.10
		667	48.15

TRAVERSE TABLE FOR TRANSIT BOOK,
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	81
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	81
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	81
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	81
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	81
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	81
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	81
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	81
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	81
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	71
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	71
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	71
13	97.44	22.50	97.34	22.92	97.24	23.04	97.13	23.77	71
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	71
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	71
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	71
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	71
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	71
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	61
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88.	37.06	61
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	61
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	61
24	91.38	40.67	91.18	41.07	91.00	41.47	90.81	41.87	61
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	61
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	61
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	61
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	51.18	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.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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