

16 Street

Y<sup>s</sup>

N<sup>o</sup> 9

9

TRANSIT

*Faint*

**F.B. 685**

685

showing the difference of latitude and  
parture 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	40	37	86½	57	133
18	42½	38	88½	58	135½
19	44½	39	91	59	137½
20	47	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.
°		°		°		°	
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

16th Street

North of L

2  
1

	2+80	5+94
2+78		5+92
	2+55	5+69
2+53		5+67
	2+30	5+44
2+28	2	5+42
2+04 1/2		5+19
2+02 1/2		5+17
	1+80	4+94
1+78		4+92
	1+55	4+69
1+53		4+67
	1+30	4+44
1+28		4+42
	1+05	3+55
1+03		3+31
	0+80	3+29
0+78	*	3+06
	0+55	3+04
0+53		

← → North line of K Street

← → 1st south of property line of K St.

# 16th Street

North of L

2

West East

	8+98½	12+04
8+96½		12+02
8+72	8+74	<span style="border: 1px solid black; padding: 2px;">11+22</span>
	8+48	10+98
8+46		10+96
	8+24	10+74½
x 8+22		10+72½
x Remainder <span style="border: 1px solid black; padding: 2px;">7+42½</span>		10+49
	10+47	
	7+20	10+25
7+18		10+23
	6+93	10+00
6+91		9+98
	6+69	9+74
6+67		9+72
	6+43	9+49
6+41		9+47
	6+19	9+23
6+17		9+21

→ North line of J. Street

→ Inspection bank 1 ft south of property line of J. Street

x North line of J. St.

xx Inspection bank 6" south of property line on J. St.

16<sup>th</sup> Street.

3

West East

14+51

14+53

14+30

14+28

14+03 1/2

14+01 1/2

13+78

13+76

13+53

13+51

Y South

H

13+30

Y North

15+89

Street.

13+28

15+87

→ Y's on the curve of H. Street. 25 ft. from east line of 16<sup>th</sup> Street.

13+03

13+01

15+12

→ 8+6 Y for continuation of 16<sup>th</sup> Street. 10 ft from south line of H. St. and 33 ft from east line of 16<sup>th</sup> Street.

12+80

12+78

12+55

15+03

→ Inspection tank south line of H. Street.

12+53

12+29

14+79

12+27

14+77

XXX Continuation of 16<sup>th</sup>

West East West East inch

3+14 1/2 3+16 1/2 6+08

2+89 2+91 6+06

2+89 2+91 5+81

2+64 1/2 2+66 1/2 5+79

2+64 1/2 2+66 1/2 5+58

2+39 1/2 2+41 1/2 5+56

2+39 1/2 2+41 1/2 5+31 1/2

2+14 2+16 5+29 1/2

2+14 2+16 5+07

1+89 1+91 4+81

1+89 1+91 4+79

1+64 1+66 4+01

1+64 1+66 3+66

1+39 1+41 3+64

1+39 1+41 3+41 1/2

1+14 1/2 1+16 1/2 3+39 1/2

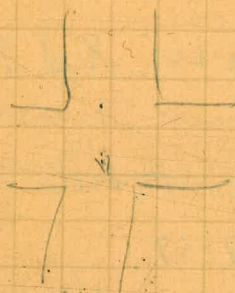
1+14 1/2 1+16 1/2 3+39 1/2

0+89 1/2 0+91 1/2 ?

0+89 1/2 0+91 1/2 ?

XXX 0+89 1/2 ← North line of H. Street

Street from South line of H. Street  
pipe.



North line of G Street

South line of G Street.

XXX 10 ft from south line of H. Street

16th Street from H Street north <sup>5</sup>

6 inch pipes

	9+37	
9+35		
	9+11	
9+09		
	8+89	
8+85		
	8+61 N. I. F.S.	
8+59		
<span style="border: 1px solid black; padding: 2px;">7+81</span>		
	7+57	
7+55		
	7+32	
7+30		
	7+07	
7+05		
	6+8 1/2	
6+7 1/2		
	6+57	
6+55		
	6+31	
6+29		

South side of Street

11+10 end of

pipe on sixteenth street running North  
to flush tank

10+84

10+84

10+61

10+59

10+37 1/2

10+35 1/2

10+11

10+9

9+51 1/2

9+79 1/2

9+62

9+60

17<sup>th</sup> sheet running

North of C street

6

W

E

2+10

2+08

1+84

1+82

1+59 1/2

1+57 1/2

1+34

1+32

1+09 1/2

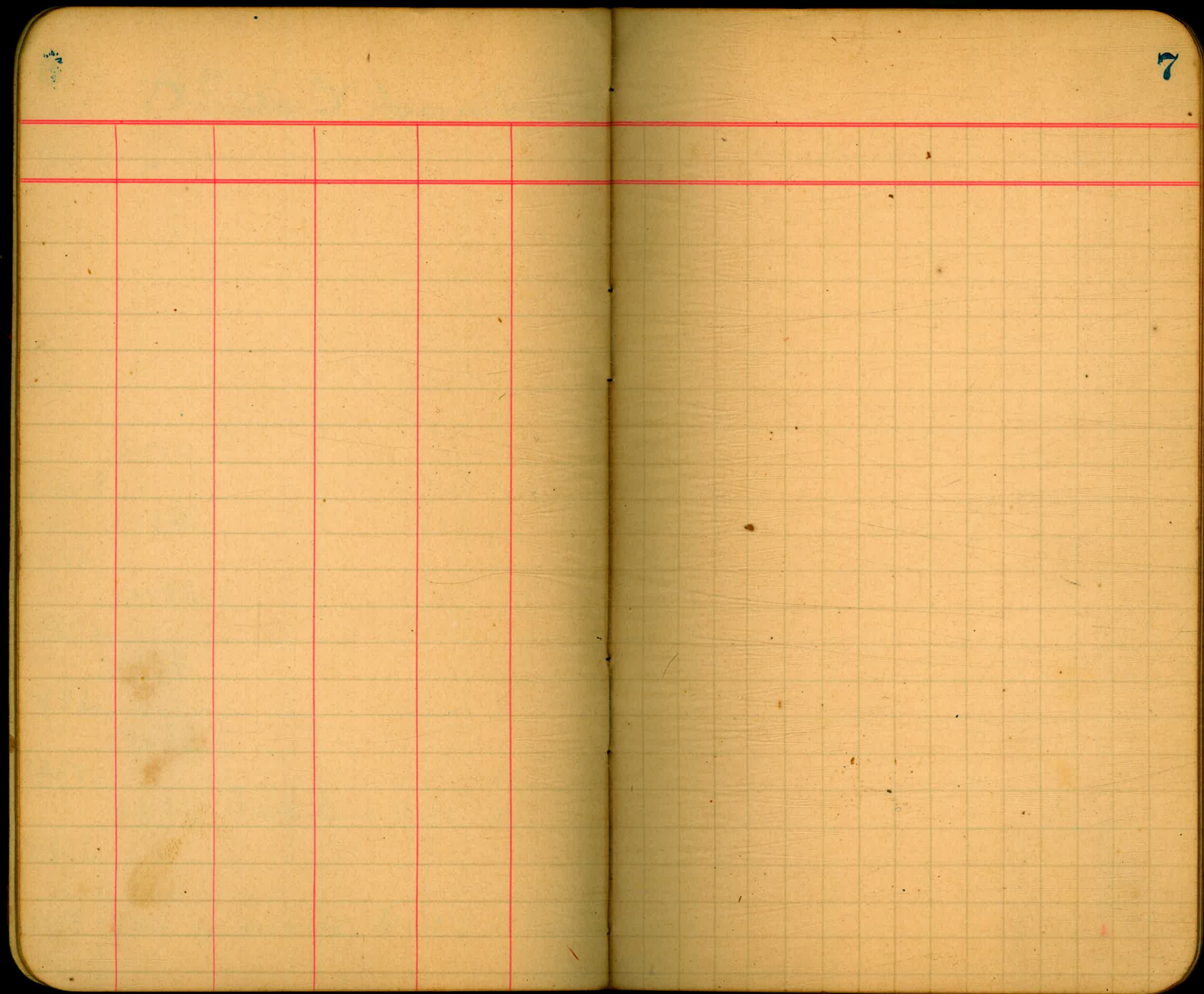
1+07 1/2

+83 1/2 North line C street

88 1/2

0+19 in of running West for C st





7







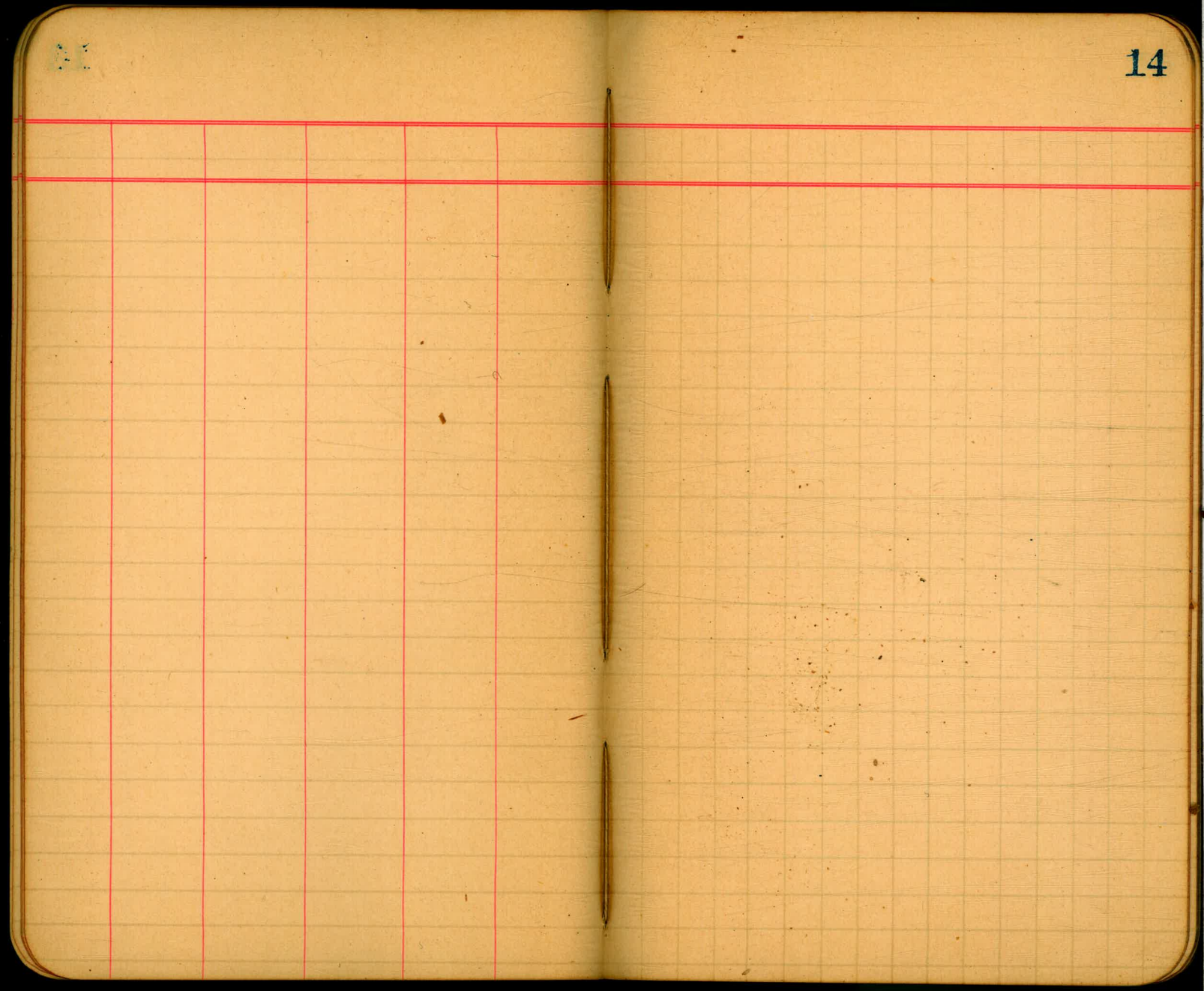






13

14



















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. The pages are yellowed and show signs of wear. The notebook is placed on a white surface.









The image shows an open notebook with two pages. The pages are a light tan or yellowish color and feature a faint grid pattern. The left page is further divided into five vertical columns by red lines. The right page is a single continuous grid. The notebook is placed on a white surface, and the number '26' is printed in the top right corner of the right page.

27















34

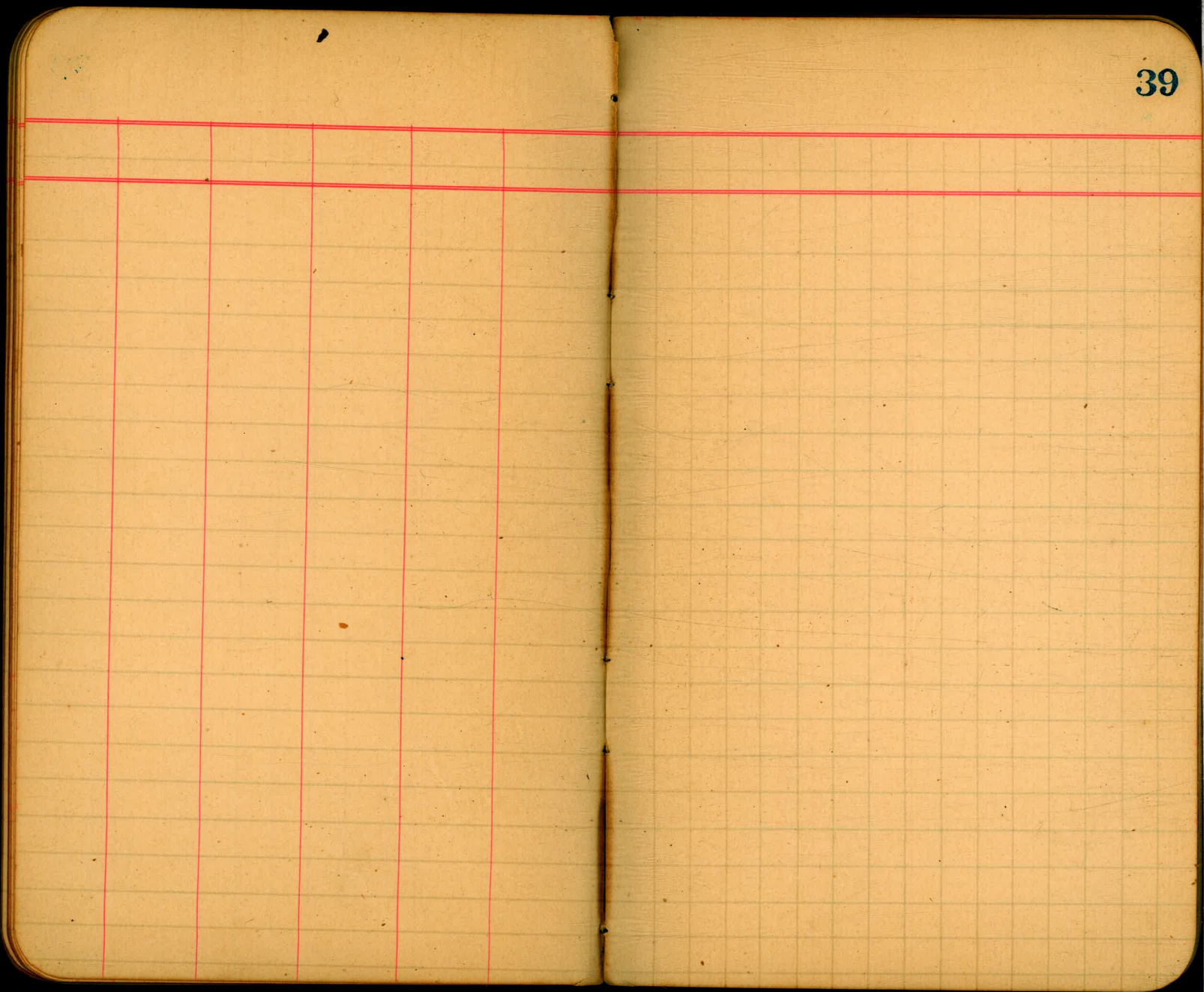
The image shows an open notebook with two pages. The pages are a light tan or yellowish color. The left page is ruled with a grid of light blue lines. There are five vertical red lines drawn across the page, creating six columns of varying widths. The right page is also ruled with a grid of light blue lines. The notebook is placed on a white surface, and the number '35' is printed in the top right corner of the right page.

The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has two horizontal lines near the top, creating a header section. Below these, there are five vertical lines that divide the page into six columns of varying widths. The right page is a standard grid page with a uniform grid of light blue lines. The notebook is placed on a white surface, and the page number '26' is printed in the top right corner of the right page.













Continuation of 16<sup>th</sup> Street south of L Street.

Commencing at L Street Plush tank.

East West

2+99

2+97

2+75

2+73

2+50 $\frac{1}{2}$ 2+48 $\frac{1}{2}$ 2+24 $\frac{1}{2}$ 2+22 $\frac{1}{2}$ 

4+20

Inspection of single East line of 16<sup>th</sup> St.

2+00

1+98

3+98

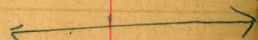
Nearest point to centers of M & 16<sup>th</sup> Sts

1+76

1+74

1+49 $\frac{1}{2}$ 1+47 $\frac{1}{2}$ 1+25 $\frac{1}{2}$ 

3+50



24 ft north of north line of M Street

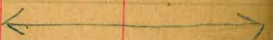
1+23 $\frac{1}{2}$ 

3+48

1+01

0+99

3+35

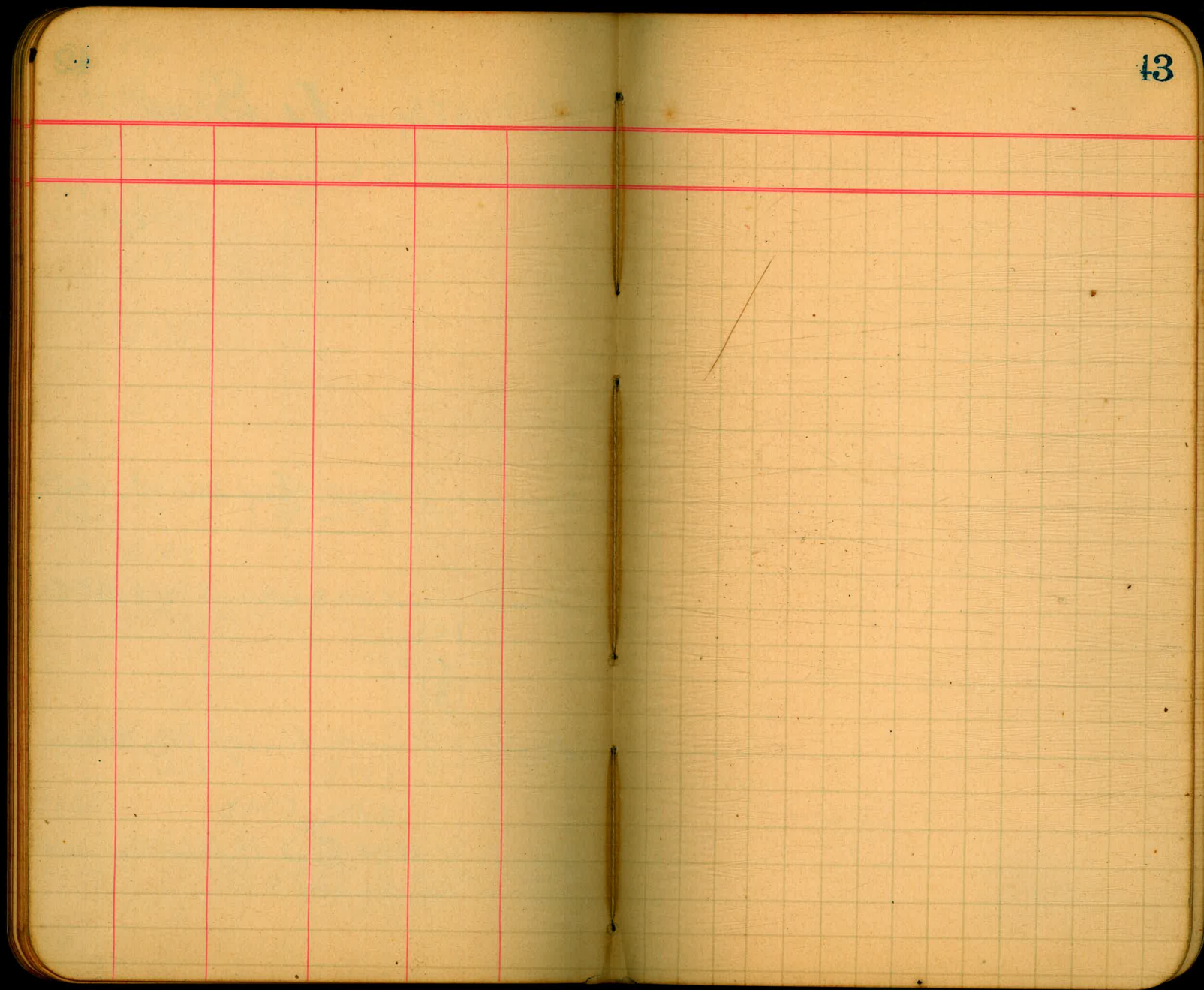
Single Y 12+12  39 ft north of north line of M Street

0+76

3+25 $\frac{1}{2}$ 

0+74

3+23 $\frac{1}{2}$



The image shows an open notebook with two pages. The left page is ruled with a grid of light blue lines. A red horizontal line is drawn across the top of the page, and five red vertical lines are drawn down the page, creating a table with 6 columns and 15 rows. The right page is also ruled with a grid of light blue lines, forming a 15x15 grid. The number '14' is printed in the top right corner of the right page. The notebook is placed on a white surface.



The image shows an open notebook with two pages. The left page is a ledger page with a grid of 10 columns and 20 rows. The first column is the widest, followed by four columns of decreasing width, and then five columns of equal width. The right page is a standard grid page with 20 columns and 20 rows. The notebook is placed on a white surface, and the page number '16' is printed in the top right corner of the right page.



Front Street North of Fur Street

17

W

E

55765

55763

55792

55792

55713

55711

54788

54786

54763

54761

Front sheet North of Front

90

557

557

557

54

54

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	86
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	85
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	84
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	83
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	82
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	80
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	79
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	78
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	77
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	76
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	75
12	97.81	20.79	97.72	21.22	97.68	21.64	97.53	22.07	74
13	97.44	22.50	97.34	22.92	97.24	23.04	97.13	23.77	73
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	72
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	70
17	95.63	29.24	95.50	29.65	95.87	30.07	95.24	30.49	69
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	68
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	67
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	66
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	65
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	64
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	63
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	62
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	60
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	59
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	58
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	57
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	56
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	55
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	54
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	53
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	52
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	51
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	50
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	49
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	48
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	47
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	46
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	45
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	44
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	43
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	42
45	70.71	70.71							41
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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