

Cross Sections, Columbia St.,

from Kalmia to "H" Sts. Page 1 to 14.

BK.

Cross Sections: Nineteenth St.,

from So. line "D" to No. line of "N" Sts.

Page 18 to 95

370

LEVEL

F. B. 119

110

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**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	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	10.80	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	83.86	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							

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Columbus - Kalmia to H.  
 Continued from Book No. 113.

No. line of F.

E. line	3.80	17.92	14.12
Leat	4.35		13.57
1/4	4.86		13.06
b	4.57		13.35
1/4	5.10		12.82
Leat	5.71		12.21
W. line	5.10		12.82

25 ft. No of F.

W. line	4.90		13.02
Leat	4.80		13.12
1/4	4.80		13.12
b	4.80		13.12
1/4	4.73		13.19
Leat	4.28		13.64
E. line	<del>4.15</del> 3.75		14.17

50 ft. No. of F.

E. line	3.95		13.97
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Degrees

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Degrees

Pa

## Columbia St.

burb	4.36	17.92	13.56
1/4	4.53		13.39
b.	4.65		13.27
1/4	4.57		13.35
burb	4.81		13.11
W. line	4.70		13.22
75 ft. No. of F.			
W. line	4.60		13.32
burb	4.65		13.27
1/4	4.51		13.41
b.	4.50		13.42
1/4	4.50		13.42
burb	4.07		13.55
E. line	4.05		13.57
100 ft. No. of F.			
E. line	3.85		14.07
burb	4.31		13.61
1/4	4.35		13.57

## Columbia St.

b.	4.37	17.92	13.55
1/4	4.50		13.42
burb	4.45		13.47
W. line	4.45		13.49
125 ft. No. of F.			
W. line	4.41		13.51
burb	4.33		13.59
1/4	4.23		13.69
b.	4.08		13.84
1/4	4.05		13.87
burb	3.73		14.19
E. line	4.07		14.85
150 ft. No. of F.			
E. line	3.63		14.29
burb	3.75		14.17
1/4	3.88		14.04
b.	3.67		14.25
1/4	4.23		13.69



## Columbia St.

Curb	4.20	17.92	13.72
W. line	4.15		13.77
	175 ft. No. of F.		
W. line	3.95		13.97
Curb	4.22		13.70
1/4	4.24		13.68
b.	3.70		14.22
1/4	3.80		14.12
Curb	3.50		14.42
E. line	3.10		14.82
	200 ft. No. of F.		
E. line	3.05		14.92
Curb	3.33		14.59
1/4	3.61		14.31
b.	3.00		14.92
1/4	3.90		14.02
Curb	4.15		13.77
W. line	3.87		14.05

## Columbia St.

	225 ft. No. of F.		
W. line	3.93	17.92	13.99
Curb	4.10		13.82
1/4	3.70		14.22
b.	3.13		14.79
1/4	3.45		14.52
Curb	3.14		14.78
E. line	2.95		14.97
	250 ft. No. of F.		
E. line	2.85		15.07
Curb	2.97		14.95
1/4	3.10		14.82
b.	2.83		15.09
1/4	3.42		14.50
Curb	3.87		14.05
W. line	3.85		14.07
	275 ft. No. of F.		
W. line	3.55		14.37

## Columbia St.

Curb	3.60	17.92	14.32
1/4	3.44		14.48
b.	2.88		15.04
1/4	2.95		14.97
Curb	2.70		15.22
E. line	2.45		15.47
	So. line of E,		
E. line	2.27		15.65
Curb	2.45		15.47
1/4	2.87		15.05
b.	2.43		15.49
1/4	3.25		14.67
Curb	3.50		14.42
W. line	3.48		14.44
T.P.	6.23	3.83	20.32
	Curb line So. side of E,		
W. line	6.13		14.19
Curb	6.00		14.32

## Columbia St.

1/4	5.70	20.32	14.62
b.	5.30		15.02
1/4	5.25		15.07
Curb	4.90		15.42
E. line	4.85		15.47
	Center line of E,		
E. line	4.74		15.58
Curb	4.95		15.37
1/4	5.28		15.04
b.	5.54		14.78
1/4	5.62		14.70
Curb	6.06		14.26
W. line	6.15		14.17
	Curb line No. side of E,		
W. line	5.77		14.55
Curb	5.63		14.69
1/4	5.33		14.99
b.	5.27		15.05



## Columbia St.

1/4	5.05	20.32	15.27
Cent	4.70		15.62
E line	4.54		15.78

## No. line of E.

E line	4.40		15.92
Cent	4.60		15.72
1/4	4.88		15.44
b.	5.17		15.15
1/4	5.28		15.04
Cent	5.70		14.62
W. line	5.81		14.51

## 25 No. of E.

W. line	5.73		14.59
Cent	5.24		15.08
1/4	4.85		15.47
b.	4.74		15.58
1/4	4.52		15.80
Cent	4.23		16.09

## Columbia St.

E line	4.19	20.32	16.13
T.P.	6.23		14.09

7.84 21.93

## 50' No. of E.

W. line	6.56		15.37
Cent	6.68		15.25
1/4	6.44		15.49
b.	6.22		15.71
1/4	5.65		16.08
Cent	5.78		16.25
E line	5.50		16.43

## 75' No. of E.

E line	5.03		16.90
Cent	5.40		16.53
1/4	5.62		16.31
b.	5.65		16.28
1/4	6.14		15.79
Cent	6.17		15.76

## Columbia St.

W. line	6.04	21.93	15.89
	100 No of E.		
W. line	5.91		16.02
carb	6.03		15.90
1/4	5.74		16.19
6	5.47		16.46
1/4	5.12		16.81
carb	4.83		17.10
E. line	4.85		17.08
	125 No of E.		
E. line	4.53		17.40
carb	4.63		17.30
1/4	4.85		17.08
6	5.28		16.65
1/4	5.65		16.28
carb	5.88		16.05
W. line	5.63		16.30

## Columbia St.

	150 No of E.		
W. line	5.72	21.93	16.21
carb	5.65		16.28
1/4	5.42		16.51
6	5.21		16.72
1/4	4.80		17.13
carb	4.57		17.42
E. line	4.38		17.55
	175 No of E.		
E. line	4.34		17.59
carb	4.50		17.43
1/4	4.47		17.46
6	5.05		16.88
1/4	5.18		16.75
carb	5.50		16.43
W. line	5.68		16.25
	200 No of E.		
W. line	5.58		16.35



Columbia St.

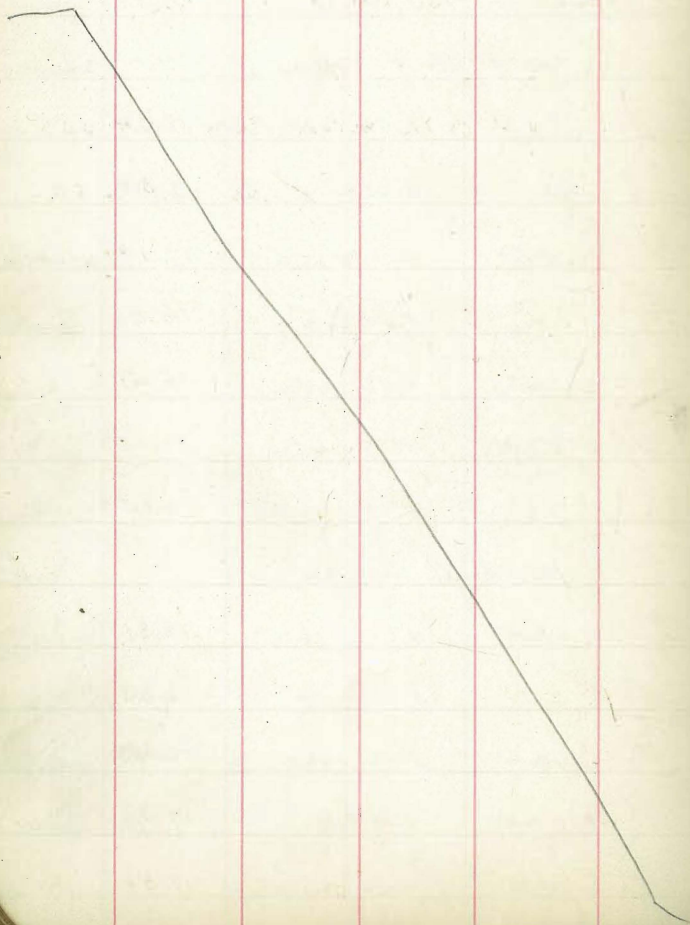
carb	5.48	21.93	16.45
1/4	5.38		16.55
E	5.13		16.80
1/4	4.73		17.20
carb	4.48		17.45
E. line	3.88		18.05
	225 % of E		
E. line	4.12		17.81
carb	4.52		17.41
1/4	4.63		17.30
E	5.10		16.83
1/4	4.88		17.05
carb	5.30		16.63
W. line	5.72		16.21
	250 % of E		
W. line	5.50		16.43
carb	5.47		16.46
1/4	5.33		16.60

Columbia St.

E	5.03	21.93	16.90
1/4	4.38		17.55
carb	4.30		17.63
E. line	4.12		17.81
	275 % of E		
E. line	3.91		18.02
carb	4.60		17.33
1/4	4.80		17.13
E	5.00		16.93
1/4	5.52		16.41
carb	5.78		16.15
W. line	5.88		16.05
	South line 20		
W. line	5.62		16.31
carb	5.60		16.33
1/4	5.50		16.43
E	4.60		17.33
1/4	4.62		17.31

## Columbia St.

amb	4.12	21.93	17.81
E. line	3.55		18.38
T. P. B. M.	2.22		19.71



Nineteenth St. from So. line of  
D, to No. line of W.

List of B. M.'s on 19th,

N-	N.E. cor. of 1 <sup>st</sup> N. fence cor.	34.256
	S.W. " loop th. in water tank	27.382
M.	N.E. cor. Iron spike cor. of fence	63.250
L.	S.E. cor. loop Tack. Base board of fence	64.022
K.	On top of Rail of fence post, S.E. cor.	71.119
J.	N.W. cor. Iron spike in cor. of fence	67.750
I.	S.E. cor. loop Tack on top of fence rail,	73.680
H.	S.W. cor. Iron spike Tel. pole.	66.130
G.	S.W. " Hydrant	76.09
F.	N.E. " loop Tack. on top of fence post.	84.590



- E. Copper tack in plug, 28"  
N.E. of N.E. corner. 83.864
- D. Iron spike in lev. of  
fence. S.W. corner. 93.204

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Bench Marks established on  
19th street.

Cross sections - 19th Street.  
from S to N. - June 26/1901 -

d. Himecourt  
Williams  
Kenniston

B.M. at N.E. Cor. of 19th + F = 84.59

0.64      ~~85.25~~ 84.59

No. side of F.

E. side	4.22	81.01
Curb	4.84	80.41
1/4	5.07	80.18
b.	5.60	79.65
1/4	6.73	78.52
Curb	7.58	77.37
W. line	8.54	76.71
20'	11.50	73.45

25 ft. No. of F. (275 ft. So. of E.)

20'	12.40	72.85
W. line	8.07	77.18
Curb	7.47	77.78
1/4	7.00	78.25

b.	5.67	<del>85.25</del> 79.58
1/4	5.30	79.95
Curb	5.05	80.20
E. line	4.11	81.14

50 ft. No. of F. (250 ft. So. of E.)

E. line	4.25	81.00
Curb	4.67	80.58
1/4	5.10	80.15
b.	5.60	79.65
1/4	6.43	78.82
Curb	6.95	78.30
W. line	8.10	77.15
20'	13.70	71.55

75 ft. No. of F. (225' So. of E.)

20'	15.20	70.05
W. line	9.1	76.15
x	6.3	78.95
y		
Curb	6.1	79.15



19th st.

1/4	5.77	85.25	79.48
b.	5.24		80.01
1/4	4.75		80.50
curb	4.43		80.82
E. line	3.60		81.65
100 ft. No. of F. (200' So. of E.)			
E. line	3.53		81.72
curb	4.13		81.12
1/4	4.05		81.20
b.	4.17		81.08
1/4	5.06		80.19
curb	5.58		79.67
9'	6.00		79.25
W. line	8.62		76.63
20'	13.70		71.55
125 ft. No. of F. 175 ft. So. of E.			
20'	12.80		72.45
W. line	7.85		77.40

19th street,

	5.80	85.25	79.45
curb <sup>10'</sup>	5.42		79.83
1/4	4.20		81.05
b.	3.43		81.82
1/4	3.62		81.63
curb	3.04		81.71
E. line	2.87		82.38
150 ft. No. of F. (150 ft. So. of E.)			
E. line	3.10		82.15
curb	3.23		82.02
1/4	3.54		81.71
b.	3.79		81.46
1/4	4.37		80.88
curb	5.10		80.15
a	5.35		79.90
W. line	8.17		77.08
20'	11.90		73.35

19th st.

175 ft. No. of F. (125 ft. So. of E.)

20'	10.40	85.25	74.85
W. line	7.10		78.15
4'	5.05		80.20
Curb	4.80		80.45
1/4	3.55		81.70
C.	2.77		82.48
Curb 1/4	3.23		82.02
Curb	3.08		82.17
E. line	2.75		82.50
T.P.	2.72		82.51

6.48

88.99

200 ft. No. of F. (100 ft. So. of E.)

E. line	5.98		83.01
Curb	6.52		82.47
1/4	6.67		82.32
C.	6.80		82.19
1/4	7.08		81.91

19th street,

Curb	8.08	88.99	80.91
W. line 4'	8.45		80.54
W. line 15'	10.28		78.74
	12.10		76.89

225 No. of F. (75 ft. So. of E.)

10'	10.70		78.29
W. line	9.65		79.34
4'	8.12		80.87
Curb	7.70		81.29
1/4	7.05		81.94
Center	6.86		82.19
1/4	6.47		82.52
Curb	5.75		83.24
E. line	5.08		83.91

(50 ft. So. of E.) 250 ft. No. of F.

E. line	4.95		84.04
Curb	6.12		82.82
1/4	6.15		82.84
Center	6.20		82.79



1/4	6.65	88.99	82.34
Comb	7.20		81.79
W. line	7.10		81.89
10'	10.22		78.77
	275 ft. 7/10 of F (25 ft. so. of E)		
W. line	5.25		84.74
Comb	5.12		83.87
1/4	4.78		84.21
Center	4.20		84.79
1/4	4.20		84.79
Comb	4.08		84.91
E. line	4.62		84.37
	South line of E.		
E. line	3.80		85.19
Comb	2.75		86.24
1/4	3.05		85.94
Center	3.25		85.74
1/4	3.67		85.32

Comb	4.00	88.99	84.99
W. line	5.22		83.77
W. line	14' 7/10 of S. line of E.		
<del>W. line</del>	3.20		85.79
Comb	3.22		85.77
1/4	2.73		86.26
Center	2.70		86.24
1/4	2.33		86.66
Comb	2.12		86.87
E. line	2.05		86.94
	Center of E. St.		
E. line	2.35		86.64
Comb	2.45		86.54
1/4	2.35		86.64
Center	2.55		86.44
1/4	2.88		86.11
Comb	3.15		85.84
W. line	4.05		84.94

19th St.

	Curb line	76 side of E. St.	
W. line	4.15	88.99	84.84
Curb	3.52		85.47
1/4	3.25		85.74
Center	3.42		85.57
1/4	3.07		85.92
Curb	2.88		86.11
E. line	2.82		86.17
	North line of E. St.		
E. line	3.55		85.44
Curb	2.90		86.09
1/4	2.92		86.07
Center	3.43		85.54
1/4	3.47		85.52
Curb	4.15		84.84
W. line	5.30		83.69
	25 ft 76 of E. (225' So. of D.)		
W. line	5.60		83.39

19th St.

Curb	4.40	88.99	84.59
1/4	4.25		84.74
Center	4.35		84.64
1/4	4.26		84.79
Curb	3.83		85.16
E. line	5.20		83.79
	50 ft 76 of E. (225' So. of D.)		
E. line	5.45		83.54
Curb	4.93		84.06
1/4	4.02		84.97
Center	4.47		84.52
1/4	4.38		84.61
Curb	4.65		84.34
W. line	3.88		85.11
	75 ft 76 of E. (225' So. of D.)		
W. line	2.38		86.61
Curb	4.00		84.99
1/4	4.58		84.11



19th St.

Center	4.78	88.99	84.21
1/4	4.90		84.09
Comb	4.45		84.54
E. line	5.10		83.89

100 ft. No of E. (200 ft. So. of D)

E. line	4.63		84.36
Comb	4.30		84.69
1/4	4.40		84.59
Center	4.38		84.61
1/4	4.30		84.69
Comb	4.05		84.94
W. line	2.22		86.77

125 ft. No of E. (175 ft. So. of D)

W. line	2.40		86.59
Comb	3.55		85.14
1/4	4.15		84.84
Center	4.18		84.81
1/4	4.05		84.94

19th St.

Comb	4.00	88.99	84.99
E. line	4.15		84.84
T.P.	4.00	<del>93.89</del>	84.99
	1.90	93.89	

150 ft. No of E. (150' So. of D)

E. line	7.61		86.28
Comb	8.65		85.24
1/4	8.87		85.02
Center	8.88		85.01
1/4	8.78		85.11
Comb	8.22		85.67
W. line	7.20		86.69

175 ft. No of E. (125' So. of D)

W. line	6.43		87.46
Comb	6.78		87.11
1/4	8.02		85.87
Center	8.38		85.51
1/4	8.30		85.59

19th St.

Curb 7.87 93.89 86.02

E. line 6.72 86.17

200 ft. W. of E. (100' S. of D.)

E. line 6.82 87.07

Curb 7.15 86.74

1/4 7.70 86.19

Center 7.12 86.77

1/4 6.68 87.21

Curb 5.52 88.07

W. line 5.78 88.11

225 ft. W. of E. (75' S. of D.)

W. line 5.30 88.59

Curb 5.47 88.42

1/4 5.42 88.47

Center 5.90 88.04

1/4 6.28 87.61

Curb 6.93 86.96

E. line 6.50 87.39

19th St.

250 ft. W. of E. (50' S. of D.)

E. line 5.85 93.89 88.04

Curb 6.04 87.85

1/4 5.70 88.19

Center 5.22 88.67

1/4 4.70 89.19

Curb 4.52 89.07

W. line 4.40 89.49

275 ft. W. of E. (25' S. of D.)

W. line 4.28 91.61

Curb 3.48 90.41

1/4 3.95 89.94

Center 4.38 89.51

1/4 4.96 88.99

Curb 4.98 89.91

E. line 5.30 88.59

South Line of D.

E. line 3.52 90.37



19th St,

Cent	4.20	93.89	89.69
1/4	4.18		89.71
Cent	4.38		89.51
1/4	4.30		89.59
Cent	2.77		91.12
W. line	1.48		92.41

B. M. on Top of Fence Post N.E. cor  
19<sup>th</sup> and "H" = 84.59

0.55      85.14

Cent. W. side of H

E. line	3.82		81.32
Cent	4.40		80.70
1/4	4.80		80.34
Cent	5.47		79.67
1/4	6.38		78.76
Cent	7.80		77.34
W. line	8.63		76.51

19th St,

Centre of H St

W. line	7.73	85.14	77.41
Cent	6.96		78.24
1/4	5.90		79.24
Cent	5.08		80.06
1/4	4.45		80.69
Cent	3.73		81.41
E. line	3.00		82.14

Cent. South side of H

E. line	3.50		81.64
Cent	4.00		81.14
1/4	4.42		80.72
Cent	4.70		80.44
1/4	5.68		79.46
Cent	7.15		77.99
W. line	8.08		77.06

South line of H

W. line	7.78		77.36
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19th Street

comb	6.91	85.14	<del>85.14</del> 78.23
1/4	5.78		79.36
center	3.80		81.34
	4.75		80.41
1/4	3.85		81.29
	3.00		82.14
comb	3.68		81.46
	7.70		83.44
E. line	2.65		82.49
	0.70		84.44

25 ft. So. of H

E. line	0.75		84.39
comb	2.52		82.62
1/4	3.68		81.46
center	4.25		80.89
1/4	5.45		79.69
comb	7.58		77.56
W. line	8.63		76.51

50 ft. So. of H

W. line	9.58		75.56
comb	9.14		76.00
1/4	7.82		77.32

19th St.

center	6.15	85.14	78.99
1/4	5.31		79.83
comb	3.34		81.80
E. line	2.14		83.00

75 ft. So. of H

E. line	3.22		81.92
comb	5.48		79.68
1/4	6.85		78.29
center	8.28		76.86
1/4	9.03		76.11
comb	9.71		75.43
W. line	9.88		75.26

100 ft. So. of H

W. line	9.81		75.33
comb	9.85		75.29
1/4	9.40		75.74
center	7.15		77.99
1/4	6.37		78.77



19th St.

Comb	5.10	85.14	80.04
E. line	2.67		82.57
175 ft. So. of H.			
E. line	1.40		83.74
Comb	3.13		82.01
1/4	4.95		80.19
Centre	6.70		78.44
1/4	8.52		76.62
Comb	9.67		75.47
W. line	9.05		76.09
150 ft. So. of H.			
W. line	9.40		75.74
Comb	9.40		75.74
1/4	8.30		77.84
Centre	6.35		78.79
1/4	4.08		81.08
Comb	1.90		83.24
E. line	0.90		84.24

19th St.

T.P.	1.04		84.10
	1.43	85.53	
175 ft. So. of H.			
E. line	1.05		84.48
Comb	2.05		83.28
1/4	3.60		81.93
Centre	5.96		79.55
1/4	8.30		77.23
Comb	9.40		76.18
W. line	10.62		74.91
200 ft. So. of H.			
W. line	10.90		74.68
Comb	8.60		76.93
1/4	9.48		78.05
Centre	5.92		79.61
1/4	3.00		82.53
Comb	1.70		83.83
E. line	0.50		85.03

19th Street

	225 ft. So. of F.	
E. line	0.70	85.53 84.83
Comb	1.92	83.61
1/4	3.20	82.33
Center	5.69	79.84
1/4	7.58	77.95
Comb	8.35	77.18
W. line	10.30	75.23
	250 ft. So. of F.	
W. line	9.79	75.74
Comb	8.55	76.98
1/4	7.58	77.95
Center	5.38	80.15
1/4	3.25	82.28
Comb	1.97	83.56
E. line	0.62	84.91
	275 ft. So. of F.	
E. line	1.10	84.43

19th Street

Comb	2.65	85.53 82.88
1/4	4.30	81.23
Center	5.42	80.11
1/4	7.08	78.45
Comb	8.08	77.45
W. line	9.50	76.03
	North line of G	
W. line	8.68	76.85
Comb	7.55	77.99
1/4	6.88	78.65
Center	6.10	79.73
1/4	4.80	80.73
	5.58	79.95
	5.20	80.33
Comb	3.50	82.03
	3.35	83.18
E. line	4.70	80.83
	Comb No. Side of G.	
E. line	5.41	80.12
Comb	6.05	79.48
1/4	6.62	78.91



19th St.

Center	7.10	85.53	78.43
"	7.25		78.28
Center	8.78		76.75
W. line	9.60		75.93
Center of G. St.			
W. line	9.78		75.75
Center	9.00		76.53
"	8.30		77.23
Center	7.85		77.68
"	7.10		78.43
Center	6.50		79.03
E. line	6.10		79.43
Center So. side of G.			
E. line	6.83		78.70
Center	7.22		78.34
"	7.85		77.68
Center	8.12		77.41
"	9.15		76.38

19th St.

Center	10.12	85.53	75.41
W. line	10.90		74.63
South line of G.			
W. line	10.90		74.63
Center	10.30		75.23
"	9.58		75.95
Center	8.50		77.03
"	7.33		78.20
Center	7.32		78.21
E. line	6.68		78.85
T.P.	9.44		76.09
T.P. on Hydrant, B.M. = 76.09			

19th St.

June 27/1901-

A. H. Meant  
William  
Kerrison

B.M.: SW. cor. 19th + G.		76.09
	7.86	83.95 76.09
10 ft. So. of G.		
W. line	9.52	74.43
curb	8.43	75.52
1/4	7.37	76.58
b.	5.80	78.15
1/4	4.87	79.08
curb	3.67	80.28
E. line	2.04	81.91
25 ft. So. of G.		
E. line	2.25	81.70
curb	3.28	80.67
1/4	5.00	78.95
b.	5.87	78.08
curb 1/4	6.96	76.99
curb	8.57	75.38

19th St.

W. line	9.54	83.95	74.41
50 ft. So. of G.			
W. line	10.05		73.90
curb	9.28		74.67
1/4	7.90		76.05
b.	5.75		78.20
1/4	5.10		78.85
curb	3.80		80.15
E. line	2.46		81.49
75 ft. So. of G.			
E. line	3.47		80.48
curb	4.32		79.63
1/4	4.81		79.14
b.	5.95		78.00
1/4	8.16		75.79
curb	9.80		74.15
W. line	10.88		73.07



19th St.

100 ft. So. of G.

W. line	11.10	83.95	72.85
Cont	10.23		73.72
1/4	8.61		75.34
b.	6.80		77.15
1/4	5.35		78.60
Cont	4.95		79.50
E. line	3.54		80.41

125 ft. So. of G.

E. line	4.35		79.60
Cont	5.50		78.75
1/4	6.25		77.70
b.	7.45		76.50
1/4	9.18		74.77
Cont	10.43		73.52
W. line	11.45		72.50

150 ft. So. of G.

W. line	12.40		71.55
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19th St.

Cont	11.40	83.95	72.55
1/4	10.30		73.65
b.	8.43		75.52
1/4	7.31		76.64
Cont	6.15		77.80
E. line	5.00		78.95
T.P.	2.81	8.12	78.64

175 ft. So. of G.

E. line	0.90		77.74
Cont	1.70		76.94
1/4	3.07		75.57
b.	4.22		74.42
1/4	5.88		72.76
Cont	7.00		71.64
W. line	7.74		70.90

200 ~~180~~ ft. So. of G.

W. line	8.37		70.27
Cont	7.82		70.82

19th St.

1/4	6.63	<del>83.95</del> 78.64	72.01
b.	5.26		73.38
1/4	4.12		74.52
Cent	3.21		75.43
E. line	1.90		76.74
225' So. of G.			
E. line	2.87		75.77
Cent	4.10		74.54
1/4	5.60		73.04
b.	6.10		72.54
1/4	7.52		71.12
Cent	8.20		70.44
W. line	9.18		69.46
250 ft. So. of G.			
W. line	9.87		68.77
Cent	8.87		69.77
1/4	8.18		70.46
b.	6.73		71.91

19th St.

1/4	5.95	<del>83.95</del> 78.64	72.69
Cent	4.52		74.12
E. line	3.60		75.04
275 ft. So. of G.			
E. line	3.67		74.97
Cent	4.95		73.69
1/4	6.27		72.37
b.	7.30		71.34
1/4	8.62		70.02
Cent	9.35		69.29
W. line	10.61		68.03
300 ft. So. of G. = 11.4 No. of H.			
W. line	11.22		67.42
Cent	9.87		68.77
1/4	9.15		69.49
b.	8.17		70.47
1/4	6.78		71.86
Cent	5.00		73.64



19th St.

E. line	4.15	<del>83.95</del> 78.64	73.49
No. line of H,			
E. line	6.40		72.24
Cent	6.80		71.84
1/4	7.27		71.37
b.	8.37		70.27
1/4	9.34		69.30
Cent	10.00		68.64
W. line	10.80		67.84
T.P.	F.P. 78	10.02	71.40
Cent line No. side of H,			
W. line	5.10		66.30
	4.02		67.38
Cent line	4.00		67.40
1/4	2.60		68.80
b.	1.85		69.55
1/4	1.30		70.10
Cent	0.85		70.55

19th St.

E. line	0.65	71.40	70.75
Center line of H,			
E. line	1.02		70.38
Cent	1.62		69.78
1/4	2.37		69.03
b.	2.97		68.43
1/4	3.58		67.82
Cent	4.25		67.15
W. line	5.10		66.30
Cent line So. side of H,			
W. line	6.20		65.20
Cent	5.43		65.97
1/4	4.72		66.68
b.	4.10		67.30
1/4	3.32		68.08
Cent	3.27		68.13
E. line	2.67		68.73

19th St.

So. line of H.

E. line	2.83	71.40	68.57
Curve	3.13		68.27
1/4	3.85		67.55
b.	4.13		67.27
1/4	4.80		66.60
Curve	5.50		65.90
W. line	6.25		65.15

25 ft. So. of H.

W. line	7.30		64.10
Curve	6.57		64.83
1/4	6.05		65.35
b.	5.11		65.29
1/4	4.83		66.57
Curve	3.66		67.74
E. line	2.01		68.39

50 ft. So. of H.

E. line	3.57		67.83
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19th St.

Curve	4.70	71.40	66.70
1/4	5.39		66.01
b.	5.74		65.66
1/4	6.67		64.73
Curve	7.40		64.00
W. line	8.04		63.36

75 ft. So. of H.

W. line	8.10		63.30
Curve	7.50		63.90
1/4	7.05		64.35
b.	6.27		65.13
1/4	5.68		65.72
Curve	4.64		66.76
E. line	3.61		67.79

100 ft. So. of H.

E. line	3.46		67.94
Curve	5.05		66.35
1/4	5.90		65.50



19th St.

b.	6.05	71.40	65.35
1/4	6.90		64.50
curb	8.23		63.17
W. line	9.50		61.90
125 ft. So. of H.			
W. line	9.98		61.42
curb	8.10		63.30
1/4	6.90		64.50
b.	6.80		64.60
1/4	6.27		65.13
curb	5.45		65.95
E. line	8.95		67.45
150 ft. So. of H.			
E. line	4.53		66.87
curb	5.87		65.53
1/4	6.73		64.67
b.	6.90		64.50
1/4	7.40		64.00

19th St.

curb	8.20	71.40	63.20
W. line	9.92		61.48
175 ft. So. of H.			
W. line	11.00		60.40
curb	9.05		62.35
1/4	7.95		63.45
b.	6.87		64.53
1/4	6.95		64.45
curb	6.92		64.48
E. line	6.05		65.35
200 ft. So. of H.			
E. line	6.82		64.58
curb	6.75		64.65
1/4	6.92		64.48
b.	6.78		64.62
1/4	8.27		63.13
curb	9.35		62.05
W. line	11.00		60.40

19th St.

225 ft. So. of H.

W. line	11.43	71.40	59.97
curb	10.67		60.73
1/4	9.46		62.94
b.	6.35		65.05
1/4	6.30		65.10
curb	6.47		64.93
E. line	6.70		64.70

250 ft. So. of H.

E. line	5.96		65.44
curb	6.27		64.13
1/4	6.45		64.95
b.	6.40		65.00
1/4	8.50		62.90
curb	9.40		62.00
E. line	9.37		62.03

275 ft. So. of H.

W. line	8.18		63.22
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19th St.

curb	7.85	71.40	63.55
1/4	7.35		64.05
b.	5.40		66.00
1/4	6.00		65.40
curb	5.47		65.93
E. line	4.80		66.60

No. line of I.

E. line	3.05		69.35
curb	3.67		67.73
1/4	4.30		67.10
b.	4.55		66.85
1/4	4.94		66.46
curb	5.33		66.07
W. line	5.40		66.00
T.P.	9.07	4.39	76.08
			67.01

Curb line No. side of I.

W. line	9.35		66.73
curb	8.87		67.21



19th St.

1/4	8.20	76.08	67.88
b.	7.60		68.48
1/4	7.20		68.88
Curb	6.75		69.33
E. line	7.06		69.06
	Center line of J.		
E. line	6.35		69.73
Curb	6.85		69.23
1/4	7.10		68.98
b.	7.47		68.61
1/4	7.67		68.41
Curb	8.40		67.68
W. line	9.10		66.98
	Curb line No. side of J.		
W. line	9.83		66.25
Curb	8.83		67.25
1/4	8.25		67.83
b.	8.10		67.98

19th St.

1/4	7.17	76.08	68.91
Curb	7.35		68.73
E. line	7.15		68.93
	So. line of J.		
E. line	6.30		69.78
Curb	6.57		69.51
1/4	7.27		68.81
b.	7.70		68.38
1/4	7.84		68.24
Curb	8.54		67.54
W. line	8.95		67.13
	5 ft. So. of J.		
W. line	7.30		68.78
Curb	7.20		68.88
1/4	6.47		69.61
b.	6.37		69.71
1/4	5.40		70.68
Curb	5.07		71.01

19th St.

E. line	4440	76.08	71.68
	25 ft. So. of I.		
E. line	4.05		72.03
curb	4.67		71.41
1/4	5.25		70.83
b.	5.57		70.51
1/4	6.40		69.68
curb	6.71		69.37
W. line	6.75		69.33
	50 ft. So. of I.		
W. line	6.50		69.58
curb	6.22		69.86
1/4	6.07		70.01
b.	5.34		70.74
1/4	5.11		70.97
curb	4.40		71.68
E. line	3.83		72.25

19th St.

75 ft. So. of I.

E. line	3.64	76.08	72.44
curb	4.50		71.58
1/4	4.83		71.25
b.	5.25		70.83
1/4	5.97		70.11
curb	6.15		69.93
W. line	6.35		69.73
	100 ft. So. of I.		
W. line	6.27		69.81
curb	6.10		69.98
1/4	6.05		70.03
b.	5.20		70.78
1/4	5.10		70.98
curb	4.54		71.54
E. line	3.80		72.28
	125 ft. So. of I.		
E. line	3.11		72.37



19th St.

curb	4.45	76.08	71.63
1/4	5.50		70.58
b.	5.70		70.38
1/4	6.13		69.95
curb	6.10		69.98
W. line	6.27		69.81

150 ft. So. of J.

W. line	6.23		69.85
curb	6.23		69.85
1/4	6.20		69.78
b.	5.40		70.68
1/4	5.45		70.63
curb	4.87		71.21
E. line	4.24		71.84

175 ft. So. of J.

E. line	4.07		72.01
curb	5.05		71.03
1/4	5.77		70.31

19th St.

b.	6.14	76.08	69.94
1/4	6.57		69.51
curb	6.37		69.71
W. line	6.31		69.77

200 ft. So. of J.

W. line	6.70		69.38
curb	6.87		69.21
1/4	6.94		69.14
b.	6.24		69.84
1/4	5.95		70.13
curb	5.20		70.88
E. line	4.43		71.65

225 ft. So. of J.

E. line	4.43		71.65
curb	5.28		70.80
1/4	6.15		69.93
b.	6.43		69.65
1/4	7.10		68.98

19th St.

Curb 7.20 76.08 68.78

W. line 7.40 68.68

250 ft. So. of J.

W. line 8.01 68.07

Curb 7.58 68.50

1/4 7.64 68.44

b. 6.95 68.13

1/4 6.47 69.61

Curb 5.54 70.54

E. line 4.40 71.68

275 ft. So. of J.

E. line 4.80 71.78

Curb 6.02 70.06

1/4 6.83 69.25

b. 7.24 68.84

1/4 8.10 67.98

Curb 8.21 67.87

W. line 8.40 67.68

19th St.

No. line of J.

W. line 8.75 76.08 67.33

Curb 8.80 67.48

1/4 8.30 67.78

b. 7.33 68.75

1/4 7.17 68.91

Curb 6.83 69.25

W. line 6.10 69.98

T.P. 4.39 7.03 73.44 69.05

Curb line No. side of J.

E. line 3.80 69.64

Curb 4.21 69.23

1/4 4.60 68.84

b. 5.06 68.38

1/4 6.15 67.29

Curb 6.60 66.84

W. line 6.54 66.90



19th. St

	Center line of J.	
W. line	6.02	73.44 67.42
Curve	5.62	67.82
1/4	5.37	68.07
b.	4.91	68.53
1/4	4.47	67.97
Curve	3.90	69.54
E. line	3.20	70.14
	Curve line So. side of J.	
E. line	3.77	69.67
Curve	4.10	69.34
1/4	4.20	69.14
b.	4.76	68.68
1/4	5.90	67.54
Curve	6.25	67.19
W. line	6.60	66.84
	So. line of J.	
W. line	6.43	67.03

19th. St

Curve	5.97	73.44 67.47
1/4	5.78	67.66
b.	5.10	68.34
1/4	4.67	68.77
Curve	4.27	69.17
E. line	3.77	69.67
	25 ft. So. of J.	
E. line	4.00	69.44
Curve	4.06	69.38
1/4	4.45	68.99
b.	4.57	68.87
1/4	5.60	67.84
Curve	6.40	67.04
W. line	6.93	66.51
	50 ft. So. of J.	
W. line	6.80	66.64
Curve	6.57	66.87
1/4	5.64	67.80

19th St.

b.	4.55	<del>73.44</del>	68.89
1/4	4.27		69.17
Curb	4.08		69.36
E. line	4.08		69.36
75 ft. So. of J.			
E. line	4.20		69.24
Curb	3.95		69.49
1/4	4.28		69.16
b.	4.57		68.87
1/4	5.87		67.57
Curb	6.63		66.81
W. line	6.84		66.60
100 ft. So. of J.			
W. line	7.10		66.34
Curb	6.75		66.69
1/4	5.85		67.59
b.	4.85		68.59
1/4	4.43		69.01

19th St.

Curb	4.10	<del>73.44</del>	69.34
E. line	3.70		69.74
125 ft. So. of J.			
E. line	4.07		68.37
Curb	4.52		68.92
1/4	4.77		68.67
b.	5.46		67.98
1/4	6.13		67.31
Curb	6.94		66.50
W. line	7.15		66.29
150 ft. So. of J.			
W. line	7.45		65.99
Curb	7.32		66.12
1/4	6.88		66.56
b.	5.10		68.34
1/4	4.95		68.49
Curb	5.30		68.14
E. line	4.55		68.89



19th. st.

175 ft. So. of J.

E. line	5.12	73.44	68.32
Cent	5.78		67.66
1/4	6.23		67.21
b.	6.57		66.87
1/4	7.25		66.19
Cent	7.64		65.80
W. line	8.20		65.24

200 ft. So. of J.

W. line	7.83		65.61
Cent	7.37		66.07
1/4	7.70		65.74
b.	6.50		66.94
1/4	6.25		67.19
Cent	6.18		67.26
E. line	6.56		66.88

225 ft. So. of J.

E. line	4.95		68.49
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19th. st.

Cent	5.57	73.44	67.87
1/4	5.63		67.81
b.	6.00		67.44
1/4	6.77		66.67
Cent	6.83		66.61
W. line	7.62		65.81

250 ft. So. of J.

W. line	7.78		65.66
Cent	7.20		66.14
1/4	7.02		66.42
b.	6.13		67.31
1/4	6.05		67.39
Cent	5.47		67.97
E. line	4.87		68.57

W. line of K, 275 ft. So. of J.

E. line	5.35		68.09
Cent	5.74		67.70
1/4	6.20		67.24

19th. st.

b.	6.56	<del>73.44</del>	66.88
1/4	7.20		66.24
curb	7.64		65.80
W. line	8.05		65.39
No. line of K.			
W. line	8.20		65.24
curb	7.75		65.69
1/4	7.30		66.14
b.	7.10		66.34
1/4	6.77		66.67
curb	6.30		67.14
E. line	5.57		67.87
Curb line No. side of K.			
E. line	5.65		67.79
curb	6.45		66.99
1/4	6.42		67.82
b.	6.59		66.85
1/4	7.47		65.97

19th. st.

curb	8.45	<del>73.44</del>	64.99
W. side	8.70		64.74
Center line of K.			
W. side	8.35		65.09
curb	7.87		65.57
1/4	7.60		65.84
b.	7.34		66.10
1/4	6.95		66.49
curb	6.71		66.73
E. line	6.30		67.14
Curb line South side of K.			
E. line	5.70		67.74
curb	6.25		67.19
1/4	6.57		66.87
b.	6.77		66.67
1/4	7.47		65.97
W. line	8.40		65.04
W. line	8.50		64.94



19th. st.

T.P. 2.31 71.18  
 T.P. or B.M. at S.E. cor., 19th + K. = 71.12

June 25th 1901.

d Home court  
 William  
 Kennistow

B.M. 19+K 0.84 71.96 71.12

So. line of K.

E. line 4.20 67.66

cut 5.00 66.96

1/4 5.50 66.46

6. 5.90 66.06

1/4 7.04 64.92

cut 7.67 64.29

6.63 65.33

W. line 7.34 64.02

4 ft. So. of K.

W. line 8.10 63.86

cut 8.00 63.96

19th. st.

1/4 7.20 71.96 64.76

6. 6.13 65.83

1/4 5.63 66.33

cut 4.95 67.01

E. line 4.15 67.81

25 ft. So. of K.

E. line 3.98 67.98

cut 4.55 67.41

1/4 5.71 66.25

6. 6.35 65.61

1/4 7.20 64.76

cut 7.95 64.01

W. line 8.80 63.16

50 ft. So. of K.

W. line 8.77 63.19

cut 8.23 63.63

1/4 7.45 64.51

6. 6.41 65.55

19th St.

1/4	5.87	71.96	66.09
Curb	4.61		67.35
E. line	4.15		67.81
75 ft. So. of K.			
E. line	4.35		67.61
Curb	4.95		67.01
1/4	6.14		65.82
b.	6.80		65.16
1/4	7.75		64.21
Curb	8.33		63.63
W. line	9.17		62.79
100 ft. So. of K.			
W. line	9.35		62.61
Curb	8.63		63.33
1/4	7.87		64.89
b.	6.45		65.51
1/4	6.24		65.72
Curb	5.19		66.77

19th St.

E. line	4.43	71.96	67.53
125 ft. So. of K.			
E. line	4.11		67.85
Curb	4.62		67.34
1/4	6.15		65.81
b.	6.22		65.74
1/4	7.95		64.01
Curb	8.56		63.40
W. line	9.23		62.73
150 ft. So. of K.			
W. line	8.40		63.56
Curb	8.12		63.84
1/4	7.20		64.76
b.	6.65		65.31
1/4	6.08		65.88
Curb	5.20		66.76
E. line	4.20		67.76



19th. st.

175 ft. So. of K.

E. line	3.50	71.96	68.46
curb	4.63		67.33
1/4	5.35		66.61
b.	5.73		66.23
1/4	6.64		65.32
curb	7.20		64.66
W. line	7.96		64.00

200 ft. So. of K.

W. line	7.88		64.08
curb	6.93		65.03
1/4	6.20		65.76
b.	5.50		66.46
1/4	4.96		67.00
curb	3.60		68.36
E. line	2.60		69.36

225 ft. So. of K.

E. line	3.07		68.89
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19th. st.

curb	4.50	71.96	67.46
1/4	5.10		66.86
b.	5.47		66.49
1/4	6.33		65.63
curb	7.12		64.84
W. line	8.27		63.69

250 ft. So. of K.

W. line	8.81		63.15
curb	7.63		64.33
1/4	6.50		65.46
b.	5.20		66.66
1/4	4.92		67.04
curb	4.24		67.72
E. line	3.75		68.23

275 ft. So. of K.

E. line	4.10		67.86
curb	4.63		67.33
1/4	5.90		66.06

19th. st.

b.	6.57	71.96	65.39
1/4	7.45		64.51
lemb	8.03		63.93
W. line	8.37		63.59
No. line of L.			
W. line	9.20		62.76
lemb	8.47		62.49
1/4	8.05		63.91
b.	7.42		64.52
1/4	6.90		65.06
lemb	6.37		65.59
E. line	5.85		66.11
T.P.	1.87	6.83	67.00
lemb line No. side of L.			65.13
E. line	1.17		65.83
lemb	1.74		65.26
1/4	2.42		64.58
b.	2.92		64.08

19th. street

1/4	3.54	67.00	63.46
lemb	3.87		63.13
W. line	4.73		62.27
Center Line of L.			
W. line	5.195		61.05
lemb	5.18		61.82
1/4	4.66		62.34
b.	4.08		62.92
1/4	3.48		63.52
lemb	3.00		64.00
E. line	2.30		64.70
lemb line So. side of L.			
E. line	3.20		63.50
lemb	3.83		63.17
1/4	4.27		62.73
b.	4.95		62.05
1/4	5.60		61.40
lemb	6.33		60.67



## 19th street

W. line	7.25	67.00	59.75
So. line of L,			
W. line	7.90		59.10
Curb	6.50		60.50
1/4	6.13		60.87
b.	5.54		61.46
1/4	4.86		62.14
Curb	4.05		62.95
E. line	3.83		63.17
B.M. 19+L.	2.97		64.03
25 ft. So. of L.			
E. line	4.70		62.30
Curb	5.10		61.60
1/4	6.05		60.95
b.	6.44		60.56
1/4	7.10		59.90
Curb	8.35		58.65
W. line	8.92		58.07

## 19th street.

50 ft. So. of L.

W. line	8.81	67.00	58.19
Curb	8.53		58.47
1/4	7.92		59.08
b.	7.55		59.45
1/4	6.94		60.06
Curb	5.85		61.15
E. line	5.22		61.78
75 ft. So. of L.			
E. line	6.27		60.73
Curb	6.51		60.49
1/4	7.10		59.90
b.	7.15		59.85
1/4	8.35		58.65
Curb	8.77		58.23
W. line	9.12		57.88
100 ft. So. of L.			
W. line	9.40		57.60

19th St.

Curb	9.18	67.00	57.82
1/4	8.77		58.23
b.	8.25		58.75
1/4	8.13		58.87
Curb	7.67		59.33
E. line	6.88		60.12
125 ft. So. of L.			
E. line	7.80		59.20
Curb	8.10		58.90
1/4	8.23		58.67
b.	8.73		58.27
1/4	9.23		57.77
Curb	9.63		57.37
W. line	9.93		57.07
150 ft. So. of L.			
W. line	10.65		56.35
Curb	10.13		56.87
1/4	9.78		57.22

19th St.

b.	9.18	67.00	57.82
1/4	8.90		58.10
Curb	8.27		58.73
E. line	7.81		59.19
175 ft. So. of L.			
E. line	8.05		58.95
Curb	8.55		58.45
1/4	8.47		58.53
b.	8.30		58.70
1/4	9.05		57.95
Curb	10.28		56.72
W. line <del>Curb</del>	10.87		56.13
W. line			
200 ft. So. of L.			
W. line	11.47		55.53
Curb	10.10		56.90
1/4	9.50		57.50
b.	9.07		57.93



19th. st.

1/4	8.22	67.00	58.78
Curb	6.17		60.83
E. line	5.64		61.36
225 ft. So. of L.			
E. line	5.05		61.95
Curb	6.13		60.87
1/4	8.00		59.00
b.	9.75		57.25
1/4	10.10		56.90
Curb	10.60		56.40
W. line	11.95		55.05
250 ft. So. of L.			
W. line	11.43		55.57
Curb	10.45		56.55
1/4	9.33		57.67
b.	7.80		59.20
1/4	7.20		59.80
Curb	5.63		61.37

19th. st.

E. line	4.90	67.00	64.10
275 ft. So. of L.			
E. line	4.95		62.05
Curb	5.20		61.80
1/4	6.45		60.55
b.	7.55		59.45
1/4	8.95		58.05
Curb	10.10		56.90
W. line	11.00		56.00
No. line of M.			
W. line	10.50		56.50
Curb	9.20		57.80
1/4	8.22		58.70
b.	7.25		59.75
1/4	6.45		60.55
Curb	5.57		61.43
E. line	4.83		62.17
T.P.	1.11	5.06	63.05
			61.94

19th St.

Curb line No. side of M.

E. line	1.60	63.05	61.45
Curb	1.83		61.22
1/4	2.53		60.52
C.	3.21		59.84
1/4	4.36		58.69
Curb	5.21		57.84
W. line	6.20		56.85

12 ft. No. of Center of M.

W. line	5.90		57.15
Curb	5.07		57.98
1/4	3.95		59.10
C.	3.20		59.85
1/4	2.85		60.20
Curb	2.48		60.57
E. line	1.25		61.60

5 ft. No. of Center of M.

E. line	2.18		60.92
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19th Street

Curb	3.15	63.05	59.90
1/4	5.62		57.43
C.	6.18		56.87
1/4	7.18		55.87
Curb	7.68		55.37
W. line	8.36		54.69

Center of M.

E. side	2.13		60.92
Curb	3.15		59.90
1/4	5.62		57.43
C.	6.18		56.87
1/4	7.18		55.87
Curb	7.68		55.37
W. line	8.36		54.69

5 ft. So. of Center of M.

E. line	2.13		60.92
Curb	3.15		59.90
1/4	<del>5.62</del> 5.62		57.43



19th st.

b	6.18	63.05	56.87
1/4	7.18		55.87
curb	7.68		55.37
W. line	8.36		54.69
14 ft. So. of center of M.			
W. line	6.60		56.45
curb	5.65		57.40
1/4	3.43		59.62
b.	2.80		60.25
1/4	2.30		60.75
curb	1.87		61.18
E. line	1.00		62.05
Curb line So. side of M.			
E. line	2.35		60.70
curb	2.62		60.43
1/4	2.95		60.10
b.	3.22		59.83
1/4	3.94		59.11

19th st.

curb	6.04	63.05	57.01
W. line	6.75		56.30
So. line of M.			
W. line	6.32		58.73
curb	5.40		57.65
1/4	4.60		58.45
b.	4.20		58.85
1/4	3.61		59.44
curb	3.35		59.70
E. line	2.30		60.75
25 ft. So. of M.			
E. line	4.65		58.40
curb	5.23		57.72
1/4	5.30		57.75
b.	5.33		57.72
1/4	5.90		57.15
curb	6.45		56.60
W. line	7.05		56.00

19th St.

50 ft. So. of M.

W. line	8.85	54.20 63.05
Curve	8.50	54.55
1/4	8.60	54.45
b.	8.45	54.60
1/4	8.05	55.00
Curve	8.17	54.88
E. line	7.41	55.64

75 ft. So. of M.

E. line	9.90	53.15		
Curve	10.45	52.60		
1/4	10.17	52.88		
b.	10.35	52.70		
1/4	10.93	52.12		
Curve	10.34	52.71		
W. line	10.10	52.95		
T.P.	1.80	11.67	53.18	51.38

19th St.

100 ft. So. of M.

W. line	2.45	53.18	50.73
Curve	2.65		50.53
1/4	2.75		50.43
b.	3.08		50.10
1/4	2.85		50.33
Curve	2.67		50.51
E. line	2.83		50.35

125 ft. So. of M.

E. line	4.65		48.53
Curve	4.80		48.38
1/4	5.20		47.98
b.	5.40		47.78
1/4	5.94		47.24
Curve	6.00		47.18
W. line	5.60		47.58

150 ft. So. of M.

W. line	8.92		44.26
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19th st,

curb	8.82	53.18	44.36
1/4	8.48		44.70
b,	8.50		44.68
1/4	8.05		45.13
curb	7.17		46.01
E. line	6.50		46.68

175 ft. So. of M,

E. line	8.50		44.38
curb	9.10		44.08
1/4	10.02		43.16
b,	11.05		42.13
1/4	11.75		41.43
curb	12.10		41.08
W. line	12.10		41.08
T.P.	0.65	11.76	42.07
			41.42

200 ft. So. of M,

W. line	4.10		37.97
curb	3.85		38.22

19th st,

1/4	3.08	42.07	38.99
b,	1.65		40.42
1/4	1.17		40.90
curb	0.41		41.66
E. line	0.02		42.05

225 ft. So. of M.

E. line	2.57		39.50
curb	3.35		38.72
1/4	3.84		38.23
b,	4.40		37.67
1/4	5.185		36.22
curb	6.02		36.05
W. line	6.36		35.71

250 ft. So. of M,

W. line	7.97		34.10
curb	7.67		34.40
1/4	7.43		34.64
b,	6.62		35.45

19th. st.

1/4	5.98	42.07	36.09
curb	5.87		36.20
E. line	4.97		37.10
275 ft. So. of M.			
E. line	6.95		35.14
curb	7.40		34.67
1/4	7.67		34.40
b.	8.05		34.02
1/4	8.84		33.23
curb	8.85		33.22
W. line	9.12		32.95
No. line of M.			
W. line	10.57		31.50
curb	10.40		31.67
1/4	10.50		31.57
b.	10.00		32.07
1/4	9.62		32.45
curb	9.25		32.82

19th. st.

E. line                      9.00    42.07    33.07



10/23/02.

Luttes on Upper 5th st.

Luttes So. side Hawthorne (E. 5th)

b <sub>1</sub>	3.2	199.48	196.28
2'	3.3		196.18
3'	3.1		196.38

1/4 So. side Hawthorne (E. 5th)

b <sub>1</sub>	2.9		196.58
2'	2.9		196.58
3'	2.8		196.68

Center Hawthorne (E. 5th)

b <sub>1</sub>	2.7		196.78
2'	2.7		196.78
5'	2.5		196.98

1/4 No. side Hawthorne (E. 5th)

b <sub>1</sub>	2.3		197.18
2'	2.4		197.08
5'	2.2		197.28

Luttes No. side Hawthorne (E. 5th)

b <sub>1</sub>	1.7	199.48	197.78
2'	1.8		197.68
5'	1.4		198.08

B.M. 8.68 ~~224.49~~ 215.81

Luttes So. side of Iny (E. 5th)

b <sub>1</sub>	11.3		213.19
2'	11.7		212.79
5'	11.0		213.49

1/4 So. side of Iny (E. 5th)

b <sub>1</sub>	11.1		213.39
2'	11.1		213.39
5'	10.7		213.79

Center of Iny (E. 5th)

b <sub>1</sub>	10.6		213.89
2'	10.7		213.79
5'	10.2		214.29

	1/4 No. side of Iny (E. side.)	
b.	10.4	224.49 214.09
2'	10.4	214.09
5'	10.3	214.19
	Quarter No. side of Iny (E. side.)	
b.	10.2	214.29
2'	10.2	214.29
5'	10.0	214.49
	Quarter So. side Iny (W. side.)	
b.	11.9	212.59
2'	11.8	212.69
5'	11.6	212.89
	1/4 So. side Iny (W. side.)	
b.	11.1	213.39
2'	11.5	212.99
5'	11.1	213.39
	Center Iny (W. side.)	
b.	11.0	213.49

2'	11.1	224.49 213.39
5'	10.6	213.89
	1/4 No. side Iny (W. side.)	
b.	10.7	213.79
2'	10.7	213.79
5'	10.4	214.09
	Quarter No. side Iny (W. side.)	
b.	10.4	214.09
2'	10.6	213.89
5'	10.1	214.39
	No. line of Iny (W. side.)	
b.	10.2	214.29
2'	10.2	214.29
5'	9.8	214.69
	25' N. of Iny (W. side.)	
b.	9.2	215.29
2'	9.0	215.49
5'	8.6	215.89



	50' No. of Jvy. (W. 5th.)		
b.	8.1	224.49	216.39
2'	7.8		216.69
5'	7.7		216.79
	75' No. of Jvy. (W. 5th.)		
b.	7.1		217.39
2'	7.0		217.49
5'	6.5		217.99
	100' No. of Jvy. (W. 5th.)		
b.	5.7		218.79
2'	5.5		218.99
5'	5.3		219.19
	125' No. of Jvy. (W. 5th.)		
b.	4.7		219.79
2'	4.7		219.79
5'	4.4		220.09
	150' No. of Jvy. (W. 5th.)		
b.	3.7		220.79

	2'	3.4	224.49	221.09
	5'	3.3		221.19
	175' No. of Jvy. (W. side.)			
b.		2.7		221.79
2'		2.3		222.19
5'		2.1		222.39
	200' No. of Jvy. (W. side.)			
b.		1.6		222.89
2'		1.1		223.39
5'		1.0		223.49
	No. line of Jvy. (E. 5th.)			
b.		9.8		214.69
2'		9.8		214.69
5'		9.3		215.19
	25' No. of Jvy. (E. 5th.)			
b.		9.3		215.19
2'		9.1		215.39
5'		8.5		215.99

	50'	No. of Iny (E. 5th.)	
b.		8.1	224.49 216.39
	2'	8.2	216.29
	5'	7.5	216.99
	75'	No. of Iny (E. 5th.)	
b.		6.8	217.69
	2'	6.5	217.99
	5'	6.5	217.99
	100'	No. of Iny (E. 5th.)	
b.		5.4	219.09
	2'	5.4	219.09
	5'	5.5	218.99
	125'	No. of Iny (E. 5th.)	
b.		4.4	220.09
	2'	4.3	220.19
	5'	4.3	220.19
	150'	No. of Iny (E. 5th.)	
b.		3.4	221.09

	2'	3.5	224.49 220.99
	5'	3.2	221.29
	175'	No. of Iny (E. 5th.)	
b.		2.3	222.19
	2'	2.3	222.19
	5'	2.0	222.49
	200'	No. of Iny (E. 5th.)	
b.		1.2	223.29
	2'	1.1	223.39
	5'	1.0	223.49
T.P.	9.25	0.52	233.22 223.97
	225'	No. of Iny (E. 5th.)	
b.		8.9	224.32
	2'	8.9	224.32
	5'	8.6	224.62
	250'	No. of Iny (E. 5th.)	
b.		7.9	225.32
	2'	7.9	225.32



5'	7.6	233.22	225.62
			6'
	275' No. of Iny. (W. 5th)		
b.	7.0		226.22
2'	6.8		226.42
5'	6.5		226.72
	So. line of Juniper (W. 5th)		
			6'
b.	6.1		227.12
2'	5.8		227.42
5'	5.6		227.22
	225' No. of Iny (W. 5th)		
b.	8.6		228.62
2'	8.8		224.42
5'	8.7		224.52
	250' No. of Iny (W. 5th)		
b.	8.0		225.22
2'	8.2		225.02
5'	7.6		225.62

	275' No. of Iny. (W. 5th)		
b.	6.9	233.22	226.32
2'	7.1		226.12
5'	6.8		226.42
	So. line of Juniper (W. 5th)		
b.	6.0		227.22
2'	6.4		226.82
5'	5.8		227.42
			1.56
T.P.			231.66

T.P. on line from J.H. Gay's

10/29/02. d'Kenne court  
Futiner + Davro.T.P. on Iron fence S.E. cor. 5th and  
Juniper (J.H. Gays. -

Gutter So. side of Juniper (E. 5th)

3.86 235.52/231.66

b.	7.9	227.62
2'	7.5	228.02
5'	7.4	228.12 ✓

1/4 So. side Juniper (E. 5th)

b.	7.7	227.82
2'	7.4	228.12
5'	7.0	228.52 ✓

Center of Juniper (E. 5th)

b.	7.4	228.12
2'	7.1	228.42
5'	6.7	228.82 ✓

1/4 No. side Juniper (E. 5th)

b.	6.8	228.72
----	-----	--------

2'	7.0	235.52	228.52
----	-----	--------	--------

5'	6.5	229.02	✓
----	-----	--------	---

Gutter No. side Juniper (E. 5th)

b.	6.4	229.12
----	-----	--------

2'	6.4	229.12
----	-----	--------

5'	6.0	229.52	✓
----	-----	--------	---

Gutter So. side Juniper (W. 5th)

b.	8.0	227.52
----	-----	--------

2'	8.1	227.42
----	-----	--------

5'	7.8	227.72	✓
----	-----	--------	---

1/4 So. side Juniper (W. 5th)

b.	7.8	227.72
----	-----	--------

2'	7.8	227.72
----	-----	--------

5'	7.4	228.12	✓
----	-----	--------	---

Center of Juniper (W. 5th)

b.	6.9	228.62
----	-----	--------

2'	7.0	228.02
----	-----	--------

5'	7.1	228.42	✓
----	-----	--------	---



	1/4 No. side Juniper (W. 5th)		
b.	6.8	235.52	228.72
2'	6.8		228.72
5'	6.7		228.82 ✓
	Gutter No. side Juniper (W. 5th)		
b.	6.2		229.32
2'	6.4		229.12
5'	6.6		228.92 ✓
T.P.	9.36	0.94	243.94 / 234.55 ✓
	Gutter So. side Kalnia (W. 5th)		
b.	4.3		239.64
2'	4.2		239.74
5'	3.9		240.04 ✓
	1/4 So. side Kalnia (W. 5th)		
b.	4.1		239.84
2'	4.2		239.74
5'	3.8		240.14 ✓

	Center Kalnia (W. 5th)		
b.	3.8	243.94	240.14
2'	3.8		240.14
5'	3.4		240.54 ✓
	1/4 No. side Kalnia (W. 5th)		
b.	3.5		240.44
2'	3.4		240.54
5'	3.2		240.74 ✓
	Gutter No. side Kalnia (W. 5th)		
b.	3.1		240.84
2'	3.2		240.74
5'	3.2		240.74 ✓
	Gutter So. side Kalnia (E. 5th)		
b.	3.8		240.14
2'	3.8		240.14
5'	3.3		240.64 ✓
	1/4 So. side Kalnia (E. 5th)		
b.	3.4		240.54

2'	3.4	243.94	240.54
----	-----	--------	--------

5'	2.9		241.04 ✓
----	-----	--	----------

Center of Kalunia (E. 5ch.)

b.	3.2		240.74
----	-----	--	--------

2'	3.2		240.74
----	-----	--	--------

5'	2.9		241.04 ✓
----	-----	--	----------

1/4 So. side of Kalunia (E. 5ch.)

b.	3.0		240.94
----	-----	--	--------

2'	2.8		241.14
----	-----	--	--------

5'	2.8		241.14 ✓
----	-----	--	----------

Center So. side Kalunia (E. 5ch.)

b.	2.7		241.24
----	-----	--	--------

2'	2.7		241.24
----	-----	--	--------

5'	2.5		241.44 ✓
----	-----	--	----------

T.P.	7.40	1.28	250.06 ✓	242.66 ✓
------	------	------	----------	----------

T.P. (A)	6.76	1.15	255.67	248.97 ✓
----------	------	------	--------	----------

Center So. side Lamel (E. 5ch.)

b.	6.2	6.2		249.47
----	-----	-----	--	--------

2'	6.2	255.67	249.47
----	-----	--------	--------

5'	6.2		249.47 ✓
----	-----	--	----------

1/4 So. side Lamel (E. 5ch.)

b.	5.9		249.77
----	-----	--	--------

2'	5.9		249.77
----	-----	--	--------

5'	6.0		249.67 ✓
----	-----	--	----------

Center So. side Lamel (E. 5ch.)

b.	5.7		249.97
----	-----	--	--------

2'	5.9		249.77
----	-----	--	--------

5'	5.9		249.77 ✓
----	-----	--	----------

1/4 No. side Lamel (E. 5ch.)

b.	5.4		250.27
----	-----	--	--------

2'	5.6		250.07
----	-----	--	--------

5'	5.6		250.07 ✓
----	-----	--	----------

Center No. side Lamel (E. 5ch.)

b.	5.3		250.37
----	-----	--	--------

2'	5.2		250.47
----	-----	--	--------

5'	5.2		250.47 ✓
----	-----	--	----------



Gutter So. side Lamel (W. side)		
b.	7.1	255.67 248.57
2'	7.2	248.47
5'	6.7	248.97 ✓
1/4 So. side Lamel (W. side)		
b.	6.9	248.77
2'	7.0	248.67
5'	6.5	249.17 ✓
Center Lamel (W. side)		
b.	6.8	248.87
2'	6.6	249.07
5'	6.2	249.47 ✓
1/4 No. side Lamel (W. side)		
b.	5.5	250.17
2'	5.5	250.17
5'	5.9	249.77 ✓
Gutter No. side Lamel (W. side)		
b.	6.2	249.47

2'	6.3	255.67	249.37
5'	5.8		249.87 ✓
T.P.			
T.P.(A)	6.77	255.68 ✓	248.91 ✓
P.P.	7.46	1.50	261.64 ✓ 254.18 ✓
Gutter So. side Maple (W. side)			
b.	4.7	256.94	
2'	4.7	256.94	
5'	4.4	257.24 ✓	
1/4 So. side Maple (W. side)			
b.	4.5	257.14	
2'	4.6	257.04	
5'	4.3	257.34 ✓	
Center Maple (W. side)			
b.	4.3	257.34	
2'	4.4	257.24	
5'	4.1	257.54 ✓	

		1/4 No. side Maple (W. side)	
b.		4.2	261.64 257.44
2'		4.2	257.44
5'		3.8	257.84 ✓
		Spur No. side Maple (W. side)	
b.		4.1	257.54
2'		4.2	257.44
5'		3.7	257.94 ✓
		Spur So. side Maple (E. side)	
b.		3.9	257.74
2'		3.9	257.74
5'		3.8	257.84 ✓
		1/4 So. side Maple (E. side)	
b.		3.6	258.04
2'		3.6	258.04
5'		3.6	258.04 ✓
		Center Maple (E. side)	
b.		3.5	258.14

		2'	3.5	261.64	258.14
		5'	3.5		258.14 ✓
		1/4 No. side Maple (E. side)			
		b.	3.4		258.24
		2'	3.3		258.34
		5'	3.3		258.34 ✓
		Spur No. side Maple (E. side)			
		b.	3.4		258.24
		2'	3.2		258.44
		5'	3.2		258.44 ✓
		T.P.	10.47	1.67	270.44 259.97
		Spur So. side Nutmeg (W. side)			
		b.	7.5		262.94
		2'	7.8		262.64
		5'	7.6		262.84 ✓
		1/4 So. side Nutmeg (W. side)			
		b.	6.9		263.54
		2'	7.3		263.14



5'	7.6	270.44	262.84 ✓
	Center Nutmeg (W. side)		
b.	6.5		263.94
2'	7.1		263.34
5'	6.8		263.64 ✓
	1/4 No. side Nutmeg (W. side)		
b.	6.5		263.94
2'	6.7		263.74
5'	6.4		264.04 ✓
	Spitta No. side Nutmeg (W. side)		
b.	6.7		263.74
2'	6.7		263.74
5'	6.2		264.24 ✓
	Spitta So. side Nutmeg (E. side)		
b.	6.8		263.64
2'	6.9		263.54
5'	7.1		263.34 ✓

	1/4 So. side Nutmeg (E. side)		
b.	6.6	270.44	263.84
2'	6.7		263.74
5'	6.9		263.54 ✓
	Center Nutmeg (E. side)		
b.	6.3		264.14
2'	6.4		264.04
5'	6.5		263.94 ✓
	1/4 No. side Nutmeg (E. side)		
b.	5.9		264.54
2'	6.1		264.34
5'	6.2		264.24 ✓
	Spitta No. side Nutmeg (E. side)		
b.	5.5		264.94
2'	5.8		264.64
5'	6.0		264.44 ✓
T.P.	7.82	1.70	276.56 268.74

	gutter	So. side Olive (W. 5th)	
b <sub>1</sub>		6.9	276.56 269.66
2'		7.0	269.56
5'		6.4	270.16 ✓
	1/4	So. side Olive (W. 5th)	
b <sub>1</sub>		6.7	269.86
2'		6.7	269.86
5'		6.3	270.26 ✓
	Center	of Olive (W. 5th)	
b <sub>1</sub>		6.6	269.96
2'		6.5	270.06
5'		6.1	270.46 ✓
	1/4	No. side Olive (W. 5th)	
b <sub>1</sub>		6.5	270.06
2'		6.3	270.26
5'		5.9	270.66 ✓
	gutter	No. side Olive (W. 5th)	
b <sub>1</sub>		6.4	270.16

	2'		6.4 276.56 270.16
	5'		6.0 270.56 ✓
	gutter	So. side Olive (E. 5th)	
b <sub>1</sub>			5.6 270.96
2'			5.7 270.86
5'			6.0 270.56 ✓
	1/4	So. side Olive (E.)	
b <sub>1</sub>			5.5 271.06
2'			5.6 270.96
5'			5.6 270.96 ✓
	Center	Olive (E. 5th)	
b <sub>1</sub>			5.3 271.26
2'			5.4 271.16
5'			5.5 271.06 ✓
	1/4	Olive (E. 5th)	
b <sub>1</sub>			5.2 271.36
2'			5.2 271.36
5'			5.3 271.26 ✓



Gutter No side Oliv (E. side)			
b.		5.1	276.56 271.46
2'		5.1	271.46
5'		5.2	271.36 ✓
T.P.	7.07	2.27	281.36 / 274.29 ✓
B.M. Palm + sch.		4.22	277.14
<hr/>			
B.M.	4.22		281.46 277.24
Gutter So. side Palm (W.)			
b.		6.4	275.06
2'		6.3	275.16
5'		5.9	275.56 ✓
1/4 So. side Palm (W.)			
b.		6.2	275.26
2'		6.2	275.26
5'		5.8	275.66 ✓
Center Palm (W.)			
b.		5.8	275.66

2'		5.9	281.46 275.56
5'		5.4	276.06 ✓
1/4 No. side Palm (W.)			
b.		5.6	275.86
2'		5.7	275.76
5'		5.2	276.26 ✓
Gutter No. side Palm (W.)			
b.		5.5	275.96
2'		5.6	275.86
5'		5.4	276.06 ✓
Gutter So. side Palm (E.)			
b.		5.9	275.56
2'		5.9	275.56
5'		5.8	275.66 ✓
1/4 So. side Palm (E.)			
b.		5.5	275.96
2'		5.5	275.96
5'		5.5	275.96 ✓

## Center Palm (E.)

b,	5.3	281.46	276.16
2'	5.3		276.16
5'	5.3		276.16 ✓

## 1/4 No. side Palm (E.)

b,	5.1		276.36
2'	5.1		276.36
5'	5.2		276.26 ✓

## Quarter No. side Palm (E.)

b,	5.1		276.36
2'	5.0		276.46
5'	5.0		276.46 ✓

T.P. 5.20 3.74 282.92 277.72

## Quarter So. side Quince (W.)

b,	5.4		277.52
2'	5.4		277.52
5'	5.0		277.92 ✓

## 1/4 So. side Quince (W.)

b,	5.3	282.92	277.62
2'	5.3		277.62
5'	5.1		277.82 ✓

## Center So. side Quince (W.)

b,	5.3		277.62
2'	5.2		277.72
5'	4.9		278.02 ✓

## 1/4 No. side Quince (W.)

b,	5.2		277.72
2'	5.2		277.72
5'	5.0		277.92 ✓

## Quarter No. side Quince (W.)

b,	5.1		277.82
2'	5.2		277.72
5'	5.0		277.92 ✓

## Quarter So. side Quince (E.)

b,	4.3		278.62
----	-----	--	--------



2'	4.3	282.92	278.62
5'	4.3		278.62 ✓
b,		1/4 So. side Quince (E.)	
	4.2		278.72
2'	4.3		278.62
5'	4.5		278.42 ✓
		Center Quince (E.)	
b,	4.2		278.72
2'	4.3		278.62
5'	4.6		278.82 ✓
		1/4 No. side Quince (E.)	
b,	4.1		278.82
2'	4.2		278.72
5'	4.5		278.42 ✓
		Gutter No. side Quince (E.)	
b,	4.5		278.42
2'	4.5		278.42
5'	4.5		278.42 ✓

<del>4.3</del>		282.92	
		Gutter So. side Redwood (W.)	
b,	4.3		278.62
2'	4.3		278.62
5'	4.2		278.72 ✓
		1/4 So. side Redwood (W.)	
b,	4.3		278.62
2'	4.0		278.92
5'	4.0		278.92 ✓
		Center Redwood (W.)	
b,	4.2		278.72
2'	4.1		278.82
5'	3.9		279.02 ✓
		1/4 No. side Redwood (W.)	
b,	4.2		278.72
2'	4.0		278.92
5'	3.8		279.12 ✓

Gutter No. side Redwood (W)

b. 4.1 282.92 278.82

2' 4.1 278.82

5' 3.9 279.02 ✓

Gutter So. side Redwood (E.)

b. 3.0 279.92

2' 3.1 279.82

5' 3.3 279.62 ✓

1/4 So. side Redwood (E.)

b. 3.1 279.82

2' 3.1 279.82

5' 3.3 279.62 ✓

\* Center of Redwood (E.)

b. 3.0 279.92

2' 3.0 279.92

5' 3.1 279.82 ✓

1/4 No. side Redwood (E.)

b. 3.1 279.82

2' 3.1 282.92 279.82

5' 3.1 279.82 ✓

Gutter No. side Redwood (E.)

b. 3.1 279.82

2' 3.1 279.82

5' 3.1 279.82 ✓

T.P. 1.17 281.75

N.E. cor. Redwood + 5th. w. Lamate Post,

d'Hennecont, Fentine, Daves

Oct. 31st 1902.

T.P. 3.42 285.17 281.75

No. line Redwood (E.)

b. 5.6 279.57

2' 5.4 279.77

5' 5.3 279.87

25' No. of Redwood (E.)

b. 5.6 279.57

2' 5.5 279.67



	5'	5.4	285.17	279.77
		50' No. of Redwood (E.)		
b.		5.5		279.67
	2'	5.2		279.97
	5'	5.2		279.97
		75' No. of Redwood (E.)		
b.		5.4		279.77
	2'	5.2		279.97
	5'	5.2		279.97
		100' No. of Redwood (E.)		
b.		5.2		279.97
	2'	5.3		279.87
	5'	5.2		279.97
		125' No. of Redwood (E.)		
b.		5.3		279.87
	2'	5.2		279.97
	5'	5.2		279.97

		150' No. of Redwood (E.)		
b.		5.0	285.17	280.17
	2'	5.0		280.17
	5'	5.2		279.97
		175' No. of Redwood (E.)		
b.		4.8		280.37
	2'	5.0		280.17
	5'	5.1		280.07
		200' No. of Redwood (E.)		
b.		5.0		280.17
	2'	5.0		280.17
	5'	5.1		280.07
		225' No. of Redwood (E.)		
b.		4.6		280.57
	2'	4.8		280.37
	5'	4.9		280.27
		250' No. of Redwood (E.)		
b.		4.6		280.57

	2'	4.7	285.17	280.47
	5'	4.8		280.37
	275' No. of Redwood (E.)			
b.		4.6		280.57
	2'	4.7		280.47
	5'	4.8		280.37
	So. line of Space (E.) ✓			
b.		4.5		280.67
	2'	4.6		280.57
	5'	4.7		280.47
	No. line of Redwood (W.)			
b.		6.4		278.77
	2'	6.3		278.87
	5'	6.2		278.97
	25' No. of Redwood (W.)			
b.		6.5		278.67
	2'	6.3		278.87
	5'	6.0		279.17

	50' No. of Redwood (W.)			
b.		6.4	285.17	278.77
	2'	6.2		278.97
	5'	6.0		279.17
	75' No. of Redwood (W.)			
b.		6.4		278.77
	2'	6.3		278.87
	5'	6.1		279.07
	100' No. of Redwood (W.)			
b.		6.3		278.87
	2'	6.1		279.07
	5'	6.0		279.17
	125' No. of Redwood (W.)			
b.		6.3		278.87
	2'	6.1		279.07
	5'	5.9		279.27
	150' No. of Redwood (W.)			
b.		6.2		278.97



	2'	6.0	285.17	279.17
	5'	5.9		279.27
	175'	No. of Redwood (W.)		
b.		6.1		279.07
	2'	6.0		279.17
	5'	5.9		279.27
	200'	No. of Redwood (W.)		
b.		5.9		279.27
	2'	5.9		279.27
	5'	5.7		279.47
	225'	No. of Redwood (W.)		
b.		5.8		279.37
	2'	5.8		279.37
	5'	5.6		279.57
	250'	No. of Redwood (W.)		
b.		5.9		279.27
	2'	5.7		279.47
	5'	5.6		279.57

	275'	No. of Redwood (W.)		
b.		5.7	285.17	279.47
	2'	5.6		279.57
	5'	5.4		279.77
	So. line of Spruce (W.) ✓			
b.		5.4		279.77
	2'	5.5		279.67
	5'	5.4		279.77
	Cent So. side Spruce (W.)			
b.		5.5		279.67
	2'	5.4		279.77
	5'	5.3		279.87 ✓
	1/4 So. side spruce (W.)			
b.		5.5		279.67
	2'	5.4		279.77
	5'	5.3		279.87 ✓
	Center Spruce (W.)			
b.		5.4		279.97

	2'	5.3	285.17	279.87
	5'	5.3		279.87 ✓
	1/4 No. side Spruce (W.)			
b <sub>1</sub>		5.1		280.07
	2'	5.2		279.97
	5'	5.2		279.97 ✓
	Quarter No. side spruce (W.)			
b <sub>1</sub>		5.3		279.87
	2'	5.4		279.77
	5'	5.2		279.97 ✓
	Quarter So. side spruce (E.)			
b <sub>1</sub>		4.5		280.67
	2'	4.6		280.57
	5'	4.7		280.47 ✓
	1/4 So. side spruce (E.)			
b <sub>1</sub>		4.5		280.67
	2'	4.5		280.67
	5'	4.6		280.57 ✓

	Center of Spruce (E.)			
b <sub>1</sub>		4.4	285.17	280.77
	2'	4.5		280.67
	5'	4.7		280.47 ✓
	1/4 No. side spruce (E.)			
b <sub>1</sub>		4.4		280.77
	2'	4.5		280.67
	5'	4.6		280.57 ✓
	Quarter No. side spruce (E.)			
b <sub>1</sub>		4.5		280.67
	2'	4.6		280.57
	5'	4.7		280.47 ✓
	No. side of Spruce (E.)			
b <sub>1</sub>		4.5		280.67
	2'	4.6		280.57
	5'	4.6		280.57 ✓
	25' No. of Spruce (E.)			
b <sub>1</sub>		4.4		280.77



2'	4.6	285.17	280.57
5'	4.6		280.57
	50' No. of Spruce (E.)		
b.	4.5		280.67
2'	4.5		280.67
5'	4.6		280.57
	75' No. of spruce (E.)		
b.	4.2		280.97
2'	4.3		280.87
5'	4.5		280.67
	100' No. of Spruce (E.)		
b.	4.1		281.07
2'	4.2		280.97
5'	4.2		280.97
	125' No. of Spruce (E.)		
b.	4.0		281.17
2'	4.1		281.07
5'	4.1		281.07

	150' No. of Spruce (E.)		
b.	4.0	285.17	281.17
2'	4.0		281.17
5'	4.1		281.07
	175' No. of Spruce (E.)		
b.	3.9		281.27
2'	4.0		281.17
5'	4.1		281.07
	200' No. of Spruce (E.)		
b.	3.9		281.27
2'	3.9		281.27
5'	4.0		281.17
	225' No. of Spruce (E.)		
b.	3.7		281.47
2'	3.8		281.37
5'	4.0		281.17
	250' No. of Spruce (E.)		
b.	3.7		281.47

2'	3.7	285.17	281.47
----	-----	--------	--------

5'	3.8		281.37
----	-----	--	--------

275' No. of Spruce (E)

b,	3.7		281.47
----	-----	--	--------

2'	3.5		281.67
----	-----	--	--------

5'	3.6		281.57
----	-----	--	--------

So, line of Thom (E)

b,	3.4		281.77
----	-----	--	--------

2'	3.5		281.67
----	-----	--	--------

5'	3.5		281.67 ✓
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No. line of Spruce (W)

b,	5.2		279.97
----	-----	--	--------

2'	5.3		279.87
----	-----	--	--------

5'	5.2		279.97
----	-----	--	--------

25' No. of Spruce (W)

b,	5.1		280.07
----	-----	--	--------

2'	5.2		279.97
----	-----	--	--------

5'	5.1		280.07
----	-----	--	--------

50' No. of Spruce (W)

b,	5.3	285.17	279.87
----	-----	--------	--------

2'	5.2		279.97
----	-----	--	--------

5'	5.1		280.07
----	-----	--	--------

75' No. of Spruce (W)

b,	5.2		279.97
----	-----	--	--------

2'	5.1		280.07
----	-----	--	--------

5'	5.0		280.17
----	-----	--	--------

100' No. of Spruce (W)

b,	5.0		280.17
----	-----	--	--------

2'	5.0		280.17
----	-----	--	--------

5'	4.9		280.27
----	-----	--	--------

125' No. of Spruce (W)

b,	4.8		280.37
----	-----	--	--------

2'	4.9		280.27
----	-----	--	--------

5'	4.8		280.37
----	-----	--	--------



	150'	No. of Spruce (W.)	
b		4.8	285.17 280.37
	2'	4.8	280.37
	5'	4.6	280.57
	175'	No. of Spruce (W.)	
b		4.8	280.37
	2'	4.6	280.57
	5'	4.5	280.67
	200'	No. of Spruce (W.)	
b		4.5	280.67
	2'	4.5	280.67
	5'	4.2	280.97
	225'	No. of Spruce (W.)	
b		4.4	280.77
	2'	4.3	280.87
	5'	4.3	280.87
	250'	No. of Spruce (W.)	
b		4.4	280.77

	2'	4.2	285.17 280.97
	5'	4.2	280.97
	275'	No. of Spruce (W.)	
b		4.2	280.97
	2'	4.1	281.07
	5'	4.1	281.07
	So. line of Thom (W.)		
b		3.9	281.27
	2'	4.0	281.17
	5'	4.0	281.17
	T.P.	6.11	3.43 287.85 281.74 ✓
	Further So. side Thom (W.)		
b		6.6	281.25
	2'	6.7	281.15
	5'	6.7	281.15 ✓
	1/4 So. side Thom		
b		6.5	281.35
	2'	6.6	281.25

5'	6.6	287.85	281.25 ✓
	Center of Thom (W.)		
b	6.4		281.45
2'	6.5		281.35
5'	6.5		281.35 ✓
	1/4 No. side Thom (W.)		
b	6.4		281.45
2'	6.4		281.45
5'	6.5		281.35 ✓
	Quarter No. side Thom (W.)		
b	6.4		281.45
2'	6.4		281.45
5'	6.4		281.45 ✓
	Quarter So. side Thom (E.)		
b	5.9		281.95
2'	5.8		282.05
5'	6.0		281.85 ✓

	1/4 So. side Thom (E.)		
b	5.5	287.85	282.35
2'	5.5		282.35
5'	5.6		282.25 ✓
	Center of Thom (E.)		
b	5.8		282.05
2'	5.8		282.05
5'	5.8		282.05 ✓
	1/4 No. side Thom (E.)		
b	5.7		282.15
2'	5.7		282.15
5'	5.7		282.15 ✓
	Quarter No. side Thom (E.)		
b	5.8		282.05
2'	5.7		282.15
5'	5.7		282.15 ✓
	No. line of Thom (E.)		
b	5.6		282.25



2'	5.7	287.85	282.15
5'	5.7		282.15
	25' No. of Thorn (E.)		
b.	5.2		282.65
2'	5.5		282.35
5'	5.5		282.35
	50' No. of Thorn (E.)		
b.	5.2		282.65
2'	5.3		282.55
5'	5.2		282.65
	75' No. of Thorn (E.)		
b.	5.0		282.85
2'	5.1		282.75
5'	4.9		282.95
	100' No. of Thorn (E.)		
b.	4.6		283.25
2'	4.9		282.95
5'	4.7		283.15

	125' No. of Thorn (E.)		
b.	4.2	287.85	283.65
2'	4.6		283.25
5'	4.4		283.45
	150' No. of Thorn (E.)		
b.	3.7		284.15
2'	4.1		283.75
5'	4.1		283.75
	175' No. of Thorn (E.)		
b.	3.4		284.45
2'	3.7		284.15
5'	3.6		284.25
	200' No. of Thorn (E.)		
b.	3.2		284.65
2'	3.5		284.35
5'	3.4		284.45
	225' No. of Thorn (E.)		
b.	2.8		285.05

2'	3.1	287.85	284.75
5'	3.2		284.65
b,	250' No. of Thom (E)		
	2.6		285.25
2'	2.8		285.05
5'	2.9		284.95
b,	275' No. of Thom (E)		
	2.2		285.65
2'	2.4		285.45
5'	2.5		285.35
b,	So. line of Upas (E)		
	2.2		285.65
2'	2.1		285.75
5'	2.3		285.55 <sup>W</sup>
b,	No. line of Thom (W)		
	6.4		281.45
2'	6.3		281.55
5'	6.4		281.45

b,	25' No. of Thom (W)		
	6.3	287.85	281.55
2'	6.1		281.75
5'	6.0		281.85
b,	50' No. of Thom (W)		
	6.1		281.75
2'	6.0		281.85
5'	5.8		282.05
b,	75' No. of Thom (W)		
	5.8		282.05
2'	5.6		282.25
5'	5.6		282.25
b,	100' No. of Thom (W)		
	5.5		282.35
2'	5.3		282.55
5'	5.7		282.65
b,	125' No. of Thom (W)		
	5.1		282.75



	2'	5.0	287.85	282.85
	5'	4.8		283.05
		150'	No. of Thom (W.)	
b.		4.8		283.05
	2'	4.6		283.25
	5'	4.5		283.35
		175'	No. of Thom (W.)	
b.		4.6		283.25
	2'	4.5		283.35
	5'	4.4		283.45
		200'	No. of Thom (W.)	
b.		4.3		283.55
	2'	4.2		283.65
	5'	4.2		283.65
		225'	No. of Thom (W.)	
b.		3.9		283.95
	2'	3.9		283.95
	5'	3.9		283.95

		250'	No. of Thom (W.)	
b.		3.6	287.85	284.25
	2'	3.7		284.15
	5'	3.7		284.15
		275'	No. of Thom (W.)	
b.		3.4		284.45
	2'	3.3		284.55
	5'	3.2		284.65
			So. line of Upan. (W.)	
b.		3.1		284.75
	2'	3.1		284.75
	5'	3.0		284.85 ✓
			rather So. line Upan. (W.)	
b.		3.1		284.75
	2'	3.0		284.85
	5'	2.9		284.95 ✓
			1/4 So. line Upan. (W.)	
b.		2.9		284.95

2'	2.9	287.85	284.95
5'	2.9		284.95 ✓
	Center line Upas (W)		
b.	2.9		284.95
2'	2.9		284.95
5'	2.8		285.05 ✓
	1/4 No. side Upas (W)		
b.	2.8		285.05
2'	2.8		285.05
5'	2.8		285.05 ✓
	Quarter No. side Upas (W)		
b.	2.9		284.95
2'	2.8		285.05
5'	2.7		285.15 ✓
	Quarter So. side Upas (E)		
b.	2.2		285.65
2'	2.1		285.75
5'	2.3		285.55 ✓

	1/4 So. side Upas (E)		
b.	2.1	287.85	285.75
2'	2.1		285.75
5'	2.2		285.65 ✓
	Center Upas (E)		
b.	2.1		285.75
2'	2.1		285.75
5'	2.2		285.65 ✓
	1/4 No. side Upas (E)		
b.	2.1		285.75
2'	2.2		285.65
5'	2.3		285.55 ✓
	Quarter No. side Upas (E)		
b.	2.4		285.45
2'	2.4		285.45
5'	2.4		285.45 ✓
T.P.	1.28	0.87	288.26 286.98



No. line of Upar, (E. side)		
b.	2.4	288.26 285.86 ✓
2'	3.0	285.26 ✓
5'	3.0	285.26 ✓
830' So. of Bank (E.		
b.	2.9	285.86 ✓
2'	3.2	285.06 ✓
5'	3.0	285.26 ✓
805' So. of Bank (E.		
b.	3.1	285.16 ✓
2'	3.3	284.96 ✓
5'	3.2	285.06 ✓
780' So. of Bank (E.		
b.	3.4	284.84 ✓
2'	3.4	284.84 ✓
5'	3.4	284.84 ✓
755' So. of Bank (E.		
b.	3.2	285.06 ✓

2'	3.4	288.26 284.84 ✓
5'	3.3	284.96 ✓
730' So. of Bank.		
b.	3.5	284.76 ✓
2'	3.6	284.66 ✓
5'	3.5	284.76 ✓
705' So. of Bank		
b.	3.5	284.76 ✓
2'	3.7	284.56 ✓
5'	3.8	284.46 ✓
680' So. of Bank (E. side)		
b.	3.6	284.66 ✓
2'	3.8	284.46 ✓
5'	3.8	284.46 ✓
660' So. of Bank (E.		
b.	3.8	284.46 ✓
2'	4.2	284.06 ✓
5'	4.2	284.06 ✓

	2'	640' So. of Brooks. (E)		
b	3'	4.3	288.26	283.96 ✓
	2'	4.4		283.86 ✓
	5'	4.4		283.86 ✓
		620' So. of Brooks. (E)		
b		4.3		283.96 ✓
	2'	4.5		283.76 ✓
	5'	4.4		283.86 ✓
		600' So. of Brooks. (E)		
b		4.4		283.86 ✓
	2'	4.7		283.56 ✓
	5'	4.6		283.66 ✓
		580.5' So. of Brooks (E)		
b		4.7		283.56 ✓
	2'	4.9		273.36 ✓
	5'	4.6		283.66 ✓
		555.5' So. of Brooks (E)		
b		4.9		273.36 ✓

	2'	4.8	288.26	283.46 ✓
	5'	4.8		283.46 ✓
		530.5' So. of Brooks. (E, 5th)		
b		5.2		283.06 ✓
	2'	5.4		282.86 ✓
	5'	5.1		283.16 ✓
		505.5' So. of Brooks (E. 5th)		
b		5.1		283.16 ✓
	2'	5.5		282.76 ✓
	5'	5.3		282.96 ✓
		480.5' So. of Brooks. (E. 5th)		
b		5.3		282.96 ✓
	2'	5.5		282.76 ✓
	5'	5.5		282.76 ✓
		455.5' So. of Brooks (E. 5th)		
b		5.4		282.86 ✓
	2'	5.8		282.46 ✓
	5'	5.7		282.56 ✓



	430.5' So. of Brooks (E.)		
b.	5.7	288.26	282.56 ✓
2'	5.7		282.56 ✓
5'	5.7		282.56 ✓

	405' So. of Brooks (E.)		
b.	5.9		282.36 ✓
2'	5.8		282.46 ✓
5'	5.8		282.46 ✓

	380.5' So. of Brooks (E. 5th)		
b.	6.4		281.86 ✓
2'	6.5		281.76 ✓
5'	6.4		281.86 ✓

	350' So. of Brooks (E. 5th)		
b.	6.4		281.86 ✓
2'	6.9		281.36 ✓
5'	6.7		281.56 ✓

	325' So. of Brooks (E. 5th)		
b.	6.7		281.56 ✓

2'	7.0	288.26	281.26 ✓
5'	6.9		281.36 ✓

No. line of Upas - (West side)

b.	3.2		285.06 ✓
2'	3.2		285.06 ✓
5'	3.1		285.16 ✓

830' So. of Brooks (W.)

b.	3.3		284.96 ✓
2'	3.5		284.76 ✓
5'	3.4		284.86 ✓

805' So. of Brooks (W.)

b.	3.6		284.66 ✓
2'	3.6		284.66 ✓
5'	3.5		284.76 ✓

780' So. of Brooks (W.)

b.	3.8		284.46 ✓
2'	3.7		284.56 ✓
5'	3.7		284.56 ✓

	755'	So. of Brooks (W.)	
b.	4.0	288.26	284.26 ✓
2'	3.9		284.36 ✓
5'	3.9		284.36 ✓
	730'	So. of Brooks. (W.)	
b.	4.0		284.26 ✓
2'	3.9		284.36 ✓
5'	3.8		284.46 ✓
	705'	So. of Brooks (W.)	
b.	4.1		284.16 ✓
2'	3.9		284.36 ✓
5'	3.8		284.46 ✓
	680'	So. of Brooks. (W.)	
b.	4.1		284.16 ✓
2'	3.9		284.36 ✓
5'	3.9		284.36 ✓
	660'	So. of Brooks. (W.)	
b.	4.0		284.26 ✓

2'	4.1	288.26	284.16 ✓
5'	4.1		284.16 ✓
	640'	So. of Brooks	
b.	4.1		284.16 ✓
2'	4.1		284.16 ✓
5'	4.2		284.06 ✓
	620'	So. of Brooks.	
b.	4.5		283.76 ✓
2'	4.5		283.76 ✓
5'	4.4		283.86 ✓
	600'	So. of Brooks	
b.	4.7		283.56 ✓
2'	4.7		283.56 ✓
5'	4.5		283.76 ✓
	580, 5'	So. Brooks (W.)	
b.	5.0		283.26 ✓
2'	4.9		283.36 ✓
5'	4.8		283.46 ✓



555.5' So. of Brooks (W.)

6'	5.1	288.26	288.16	✓
2'	5.1		288.16	✓
5'	4.9		288.86	✓

530.5' So. of Brooks (W.)

6'	5.3		282.96	✓
2'	5.2		283.06	✓
5'	5.0		283.26	✓

505.5' So. of Brooks (W.)

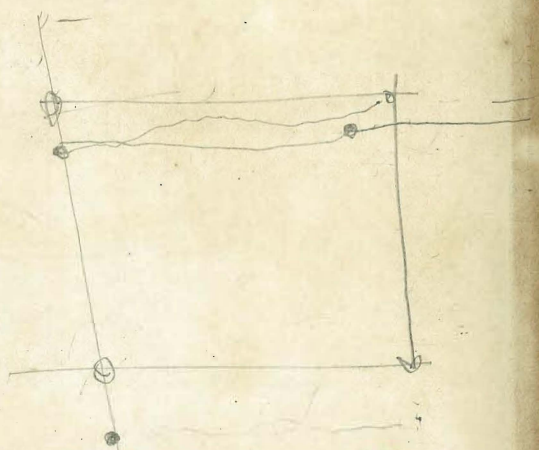
6'	5.4		282.86	✓
2'	5.4		282.86	✓
5'	5.3		282.96	✓

480.5' So. of Brooks (W.)

6'	5.7		282.56	✓
2'	5.5		282.76	✓
5'	5.4		282.86	✓



Propo  
 Leimb -  
 12 N. of b. -  
 5 " " "  
 b,  
 5 S. "  
 14 " " "  
 Leimb



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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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 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	2.63	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