Return to City Engineer's Office
City Hall, San Francisco, Cal.

398

TRANSIT

F.B. 112

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

112

...RSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	D...	¼ DEGREE.	¾ DEGREE.	Degrees.
0				
1	99			
2	99			
3	99			
4	9			
5	9			
6	9			
7	9			
8	9			
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				58
22				57
23				56
24				65
25				64
26				63
27				62
28				61
29				60
30				59
31				58
32				57
33				56
34				55
35				54
36				53
37				52
38				51
39				50
40				49
				48
				47
				46
				45
D...				Degrees.

F.B # 112

WITHERBY ST. LEVELS - 6

3RD ST, MAPLE TO NUTMEG. X-SECT. ---- 8-17

A ST, 7th TO 14th X-SECT. -- 18-85

H ST. ---------- 86-98

6th ST ---------- 99-108

D ST. ---------- 109-138

A ST, 7th & 9th GRADES. --- 140-145

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W² K+L 112 4.52

Block 174

2378. H. st, =

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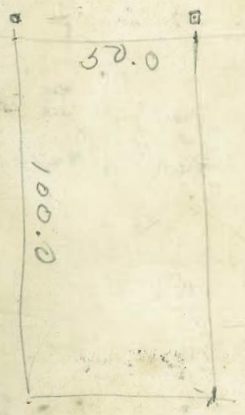


2. Cross-Sections Road from New Main st. Roseville to top of Hill. (

Sta.	Left.	Center	Right.	Emt. area	Emt. Cu. Yds.	Exc. Area	Exc. Cu. Yds.
16	$\frac{-0.2}{10.3}$	-0.2	$\frac{-0.2}{10.3}$		5.9		
15	$\frac{-1.7}{12.6}$	-1.8	$\frac{-2.0}{13.0}$				
14+89.6=0	$\frac{-2.0}{13.0}$	-2.1	$\frac{-2.3}{13.5}$		2.8		
							7.9
0+82	$\frac{0.0}{10.0}$	-1.2	$\frac{-2.6}{13.9}$		3.8 / 1.9 / 1.9		
+90.5	$\frac{+2.7}{11.4}$	0.0	$\frac{-2.2}{13.3}$				
1	$\frac{+4.1}{12.0}$	+2.5	$\frac{0.0}{12.5}$		3.7 / 1.4		
+20	$\frac{+6.9}{13.5}$	+5.5	$\frac{+3.0}{11.5}$		10.2	10.2	
+47.7	$\frac{+6.5}{13.2}$	+3.9	$\frac{+1.5}{10.8}$				
2	$\frac{+4.4}{12.4}$	+2.2	0.0				
+60	$\frac{+1.4}{10.7}$	0.0	$\frac{-1.0}{11.5}$				
3	$\frac{+0.5}{10.2}$ $\frac{0.0}{7.0}$	-1.0	$\frac{-1.9}{12.9}$				
+							
+20	$\frac{0.0}{11.0}$	-3.5	-2.3				
4	$\frac{-1.5}{12.3}$	-1.4	$\frac{-1.1}{11.7}$				
5	$\frac{+0.2}{10.1}$	+0.6	$\frac{+1.4}{10.7}$				

+ Culvert (Large) 32' long

			Center	Right		
+30		+0.3	+1.1	+2.1		
6		−1.0 / 11.5	−0.8	0.0 / 2.4	+0.8 / 10.4	
7		−2.0	−2.0	−0.8		
8		−1.5 / 12.3	0.0 / 1.0	+0.4	+3.5	
9	−0.6 / 11.0	0.0 / 8.0	+0.4 / 7.5	+0.6	+4.8 / 12.4	
10		−3.2 / 14.8	−1.0 / 7.0	−0.5	0.0 / 4.0	+4.3 / 12.2
+49		−3.7 / 15.6	−1.8 / 12.0	−0.6	0.0 / 1.5	+3.9 / 12.0
11		−2.4 / 13.6	0.0 / 3.0	+0.8	+4.8 / 12.4	
12		−4.6 / 16.9	−2.4 / 8.0	−2.3	−2.0 / 1.0	−1.0 / 2.0
13			−1.5			

Commence dist at 12 −

13.2 / 10.8 / 2.4

4.6 = 7.2 / 4.4

10.8 =

5.8 / 5.5

3.7

7.6 / 4.3 / 3.3

7.6 / 4.1 / 3.5

7.6

3.8

9.1 / 5.9 / 3.2 / 1.6

9.7 / 4.9 / 4.8

9.8 / 2.3

4.1

3.7 / 4.9 / 5.8

14.3 / 9.8 / 4.5 / 2.3

2.2 / 12.3

9.8

10.3 / 8.8 / 1.5

Levels of Witherby st. (so-called) for gutter —

2/12/1901 — d'Hemecourt + Williams.

		Cent.	Ft. of Cent.	6' out	
	40.00 + 4.10 44.10				Elev. of Bench at S.W. Cor. of 3d + D.
		5.71 E. 38.39	6.6 37.5	7.1 37.0	3d. st. ~~Cent~~ Prop. line
0.		5.59 E. 38.51	6.4 37.7	6.3 37.8	Witherby - 3d. st. prop. line.
25		5.41 E. 38.69	6.4 37.7	5.8 38.3	
50		5.15 E. 38.95	6.1 38.0	5.5 38.6	
75		5.15 E. 38.95	5.9 38.2	5.2 38.9	
100		5.13 E. 38.97	5.6 38.5	5.1 39.0	
125		4.80 E. 39.30	5.4 38.7	5.0 39.1	
150		4.43 E. 39.67	5.1 39.0	4.7 39.4	
175.		3.97 E = 40.13	4.7 39.4	4.3 39.8	
200		3.47 E. 40.63	3.8 40.3	4.0 40.1	4 st. line
		3.48 - E. 40.62			4th. Prop. line

Cross section of Third St from of Nutmeg — & d'Hemecourt Kennington Williams

2/23/1901 -

Intersection of Third and Maple
Reference Pt. 60 ft. East of Center.

		S.H.	
	3.77	254.98	251.21
150 ft. S. of Maple			
gutter E. side	11.4		243.6
13' out	10.5		244.5
Center	10.1		244.9
100 ft. S. of Maple			
g. E. side	10.2		244.8
13' out	9.0		246.0
Center	8.3		246.7
50 ft. S. of Maple			
g. E. side	8.4		246.6
13' out	8.0		247.0
Center	7.3		247.7

150' So. of So. line of Maple to E. line

B. M. Tel. Pole 75' S. of S.E. Cor. 4th & Maple

South side of Maple

254.98.

g. East side	6.6	248.4
13' out	6.7	248.3
Center	6.4	248.6
13' out	6.5	248.5
g. West side	6.4	248.6
W. Prop.	6.0	249.0

Center of Maple

E. prop.	5.5	249.5
Gutter	5.8	249.2
13' out.	5.4	249.6
Center	5.6	249.4
13' out.	5.4	249.6
g.	5.1	249.9
W. prop.	5.3	249.7

North side of Maple

		254.98	
Q. E. side	5.2		249.8
13' out	5.3		249.7
Center	5.2		249.8
13' out	5.0		250.0
Gutter West	5.0		250.0
W. prop.	4.5		250.5

50' N. of Maple

Q. E. side	4.2		250.8
13' out	4.7		250.3
Center	4.8		250.2
13' out	4.5		250.5
Gutter	4.4		250.6
W. prop.	4.0		251.0

100 ft. N. of Maple

Q. E. side	3.1		251.9
13' out	3.7		251.3
Center	4.1		250.9

			254.98		
13' out		3.8		251.2	
G. West side		3.9		251.1	
W. Prop.		3.6		251.4	
		150 ft. N. of Maple			
G. E. side		2.2		252.8	
13' out		2.4		252.6	
Center		2.7		252.3	
13' out.		2.7		252.3	
G. W. side		2.9		252.1	
W. Prop.		2.6		252.4	
T. P.	6.39	2.13	259.24	252.85	
		200 ft. N. of Maple			
G. E. side		5.4		253.8	
13' out.		5.4		253.8	
Center		5.9		253.3	
13' out.		5.8		253.4	
G.		6.5		252.7	
		5.9		253.3	
W. Prop.		6.0		253.2	

250 ft. N. of Maple
259.24

Gutter E. sid	4.2	255.0
13' out.	4.4	254.8
Center	4.7	254.5
13' out.	4.7	254.5
Cut	5.0	254.2
Gutter	5.3	253.9
W. Prop.	4.9	254.3

South side of Nutmeg.

Gutter E. sid.	3.1	256.1
13' out.	3.2	256.0
Center	3.7	255.5
13' out	3.9	255.3
Gutter	4.4	254.8
Cut	4.1	255.1
W. Prop.	4.1	255.1

Check on Cut.	2.75	256.49

S.E. Cor. 3d. + Nutmeg.

Feb'y 28/1901

a Hemecourt
William
Kenniston

Cross sections of "A" St. from 7th to 14th,

	B.S.	F.S.	I.H.	Elev.	Remarks
B.M.	7.73		107.48	99.75	on top Bolt (N.E) Elec. Light Mast. 12th + B.
T.P.	8.19	1.72	113.95	105.76	~~" Nozzle Hydrant S.E. 12th + B.~~
B.M.		6.58		107.37	" Nozzle Hydrant S.E 12th + B. (New.)
	East side of 12th. Street.				
So. side		8.50		105.45	
Curb.		8.22		105.73	
13'		7.13		106.82	
Center		6.47		107.48	
13		6.86		107.09	
Curb		3.45		110.50	
No. line		3.90		110.05	
	5' East of E. line 12th st.				
No. line		3.05		110.90	
7'		3.30		110.65	
Curb.		2.95		111.00	
13		4.72		109.23	
Center		5.85		108.10	
13		6.74		107.21	

	B.S.	H.S.	I.H.	Elev.
			113.95	
Curb.		7.40		106.55
So. line		7.17		106.78
	25' E. of E. line of 12th. St.			
So. line		5.93		108.02
Curb.		6.37		107.58
13'		5.37		108.58
Center		4.67		109.28
13		4.38		109.57
Curb.		2.72		111.23
No. line		1.98		111.97
	50' E. of E. line of 12th. St.			
No. line		0.77		113.18
Curb.		2.05		111.90
13'		3.10		110.85
Center		2.73		110.22
13		4.43		109.52
Curb		5.22		108.73
So. line		4.98		108.97

	B.S.	F.S.	I.H.	Elev.	
			113.95		
	75' E. of E. line of 12th.				
So. line		3.98		109.97	
Cent		4.15		109.80	
13'		3.57		110.38	
Center		3.11		110.84	
13'		2.68		111.32	
T.P.		1.72		112.23	on 7' stake N. end of line 50' E. of E. line of 12th.
Mark	1/190'				
	8.20		120.43		
Cent.		7.52		112.91	
No. line		6.65		113.78	
	100' E. of E. line of 12th.				
No. line		6.25		114.18	
Cent.		6.83		113.60	
13'		8.37		112.06	
Center		8.73		111.70	
13'		9.88		110.55	
Cent		9.80		110.63	
So. line		9.58		110.85	

120.43

125' E. of E. line of 12th.

So. line	8.73	111.70
Cut.	9.13	111.30
13'	8.80	111.63
Center	7.86	112.57
13'	7.30	113.13
Cut	5.76	114.67
No. line	4.95	115.48

150' E. of E. line of 12th.

No. line	3.62	116.81
Cut.	4.73	115.70
13'	6.37	114.06
Center	6.63	113.80
13'	7.81	112.62
Cut.	8.63	111.80
So. line	8.90	111.53

175' E. of E. line of 12th.

So. line	8.00	112.43
Cut.	7.58	112.85

			120.43	
13'		6.10		114.33
Center		5.48		114.95
13'		5.26		115.17
Cut		3.37		117.06
No. line		2.20		118.23
187' E. of E. line of 12th.				
No. line		1.55		118.88
Cut		2.86		117.57
13'		4.00		116.43
Center		4.50		115.93
13'		4.65		115.78
Cut.		5.65		114.78
So. line		6.75		113.68
190.5 E. of E. line of 12th.				
So. line		3.93		116.50
Cut.		3.63		116.80
13'		3.54		116.89
Center		3.13		117.30
13		3.15		117.28

			120.43	
Curb.		2.44		117.99
No. line		1.13		119.30
West line of 13th St,				
No. line		1.08		119.35
Curb.		1.97		118.46
13'		2.78		117.65
Center		2.95		117.48
13'		3.22		117.21
Curb.		3.65		116.78
So. line		3.77		116.66
T.P.	11.68	0.70	131.41	119.73
East line of 13th St.				
So. line		11.90		119.51
Curb		12.10		119.31
13'		11.52		119.89
Center		11.11		120.30
13'		10.75		120.66

			131.41	
Curb.		10.00		121.41
We. line		10.05		121.36
	5' E. of E. line of 13th.			
No line		5.95		125.46
Curb.		8.97		122.44
13'		9.72		121.69
Center		10.32		121.09
13'		10.77		120.64
Curb		11.27		120.14
So. line		10.71		120.70
	25' E. of E. line of 13th.			
So. line		8.91		122.56
Curb.		8.83		122.58
13'		8.64		122.77
Center		8.05		123.36
13'		7.51		123.90
Curb.		6.57		124.84
No. line		4.21		127.20

			131.41	
	50' E. of E. line of 13th,			
No. line,		1.87		129.54
Curb.		3.57		127.84
13'		4.35		127.06
Center		4.95		126.46
13'		5.25		126.16
Curb		5.87		125.54
So. line		5.80		125.61
	75' E. of E. line of 13th,			
So. line		2.73		128.68
Curb		2.87		128.54
13'		2.63		128.78
Center		1.84		129.57
13'		1.38		130.03
Curb		1.08		130.33
No. line		0.05		131.36
T.P.	6.67	0.73	137.35	130.68

	100' E. of E. line of 13th			
			137.35	
No. line		3.77		133.58
Curb		4.63		132.62
13'		4.97		132.38
Center		5.35		132.00
13'		6.03		131.32
Curb		6.62		130.73
So. line		6.72		130.63
	125' E. of E. line of 13th			
So. line		5.65		131.70
Curb		5.15		132.40
13'		4.50		132.85
Center		3.90		133.45
13'		3.22		134.13
Curb		2.83		134.52
No. line		1.63		135.72
	150' E. of E. line of 13th			
No. line		0.97		136.38
Curb		1.43		135.92

13'		1.93		135.42
Center		2.53		134.82
13'		3.51		133.84
Gut.		3.98		133.37
So. line		5.01		132.34
	175' E. of E. line of 12th,			
So. line		3.98		133.37
Gut		3.25		134.10
13'		2.60		134.75
Center		1.37		135.98
13'		0.86		136.49
Gut.		0.50		136.85
T.P.	6.97	1.05	143.27	136.30
No. line		5.65		137.62
W. line of 14th.				
No. line		4.21		139.06
Gut.		5.40		137.87

			143.27		
13'		6.15		137.12	
Center		7.13		136.14	
13		8.05		135.22	
Curb		8.45		134.82	
So. line		9.12		134.15	
		4.48		138.79	B.M. at 14th + a. (138.856)
BM	0.73		108.10	107.37	on Hydrant S.E. Cor. 12th + "a"
	West	Side of	12th.		
So. line		2.86		105.24	
Curb		3.68		104.42	
13'		3.30		104.80	
Center		2.73		105.37	
13'		2.56		105.54	
Curb		2.65		105.45	
No. Side		2.07		106.03	

	25' W. of W. line of 12th,			
			108.10	
No. line		3.75		104.35
Curb		4.26		103.84
13		4.74		103.36
Center		5.05		103.05
13		5.50		102.60
Curb		5.67		102.43
So. line		5.00		103.10
	50' W. of W. line of 12th,			
So. line		7.42		100.68
Curb		8.02		100.08
13'		7.50		100.60
Center		7.05		101.05
13		7.28		100.82
Curb		7.05		101.05
No. line		6.03		102.07
	75' W. of W. line of 12th			
No. line		9.15		98.95
Curb		9.48		98.62

			108.10	
13'		9.67		98.43
Center		9.32		98.78
13'		9.51		98.59
Curb		9.87		98.23
So. line		9.61		98.49
100' W. of W. line of 12th,				
So. line		11.55		96.55
Curb		11.93		96.17
13		10.64		97.46
Center		10.55		97.55
13		10.47		97.63
Curb		10.81		97.29
No. line		10.95		97.15
T.P.	0.40	11.90	96.60	96.20
125' W. of W. line of 12th,				
No line		2.10		94.50
Curb		2.07		94.53
13'		1.36		95.24

			96.60	
So. line		4.65		91.95
	193' W. of W. line of 12th			
So. line		6.22		90.38
Curb		6.65		89.95
13'		8.15		88.45
Center		8.65		87.95
13'		7.88		88.72
Curb		8.31		88.29
No. line		8.54		88.06
	East line of 11th St,			
No. line		9.45		87.15
Curb		9.07		86.93
13'		9.35		86.65
Center		9.13		86.87
13'		9.53		87.07
Curb		9.42		87.18
So. line		9.55		87.05
B.M.		6.75		89.85

S.E. 11th + "a" (89.87)

3/2/1901.

West line of 11th,

B. M.	0.71		90.56	89.85
So. side		5.85		84.71
Curb		6.15		84.41
13'		6.38		84.18
Center		6.47		84.09
13'		7.10		83.46
Curb		6.80		83.76
No. line		6.37		84.19

25' W. of W. line of 11th,

No. side		8.10		82.46
Curb		8.51		82.05
13'		8.85		81.71
Center		8.05		82.51
13'		7.57		82.99
Curb		7.20		83.36
So. line		6.73		83.83

50' W. of W. line of 11th,

So. line		7.70		82.86
Curb		8.65		81.91

Stone Coping S. E. Cor. 11th. x "a"

13'		9.00	90.56	81.56
Curb		9.53		87.03
13'		10.34		80.22
Curb		10.47		80.09
No. line		9.48		81.08
T.P.	2.04	11.18	81.42	79.38
75' W. of W. line of 11th.				
So. line		0.10		81.32
Curb		0.05		81.37
13'		1.43		80.01
Center		2.17		79.25
13'		2.55		78.87
Curb		2.67		78.75
No. line		1.78		79.64
100' W. of W. line of 11th				
No. line		3.63		77.79
Curb		3.85		77.57
13'		3.93		77.47

			81.42	
Center		3.63		77.79
13'		3.15		78.27
Curb		2.35		79.07
So. line		2.22		79.20
	125' W. of W. line of 11th,			
So. line		4.70		76.72
Curb		5.15		76.27
13'		5.05		76.37
Center		5.53		75.89
13'		5.60		75.82
Curb		5.80		75.62
No. line		5.65		75.77
	150' W. of W. line of 11th,			
No. line		7.40		74.02
Curb		7.26		74.16
13'		7.46		73.96
Center		7.35		74.07
13'		7.18		73.24
Curb		6.65		74.77

			81.42		
So. line		6.40		75.02	
175' W. of W. line of 11th					
So. line		8.17		73.25	
Curb		8.17		73.25	
13'		8.17		73.25	
Center		8.17		73.25	
13'		8.17		73.25	
Curb		8.05		73.37	
No. line		8.05		73.37	
East line of 10th St.					
No. line		8.58		72.84	
Curb		8.70		72.72	
13'		8.44		72.98	
Center		8.56		72.86	
13'		8.61		72.81	
Curb		8.80		72.62	
So. line		8.60		72.82	
~~Bm~~ T.P.	3.33	8.23	76.54	73.19	N.W. Cor. 10th + a.

			76.52	
	West line of 10th st			
No. line		3.86		72.66
Curb		3.65		72.87
13'		3.70		72.82
Center		3.63		72.89
13'		3.75		72.77
Curb		3.95		72.57
So. line		3.85		72.67
	25' W. of W. line of 10th,			
So. line		3.75		72.77
Curb		3.80		72.72
13'		3.37		73.15
Center		2.96		73.56
13'		2.87		73.65
Curb		2.70		73.82
10'		2.75		73.77
No. line		4.20		72.32
10'		4.55		71.97

			76.52	
	50' W. of W. line of 10 ch			
10' N. P. line		4.85		71.67
No. line		4.22		72.30
4'		2.20		74.32
Curb		1.97		74.55
13'		1.97		74.55
Center		2.10		74.42
13'		3.02		73.50
Curb		3.87		72.65
So. line		3.73		72.79
	7.5' W. of W. line of 10 ch.			
So. line		4.40		72.10
Curb		4.53		71.99
13'		5.75		70.77
10'		4.63		71.89
Center		1.98		74.54
13'		1.55		74.97
Curb		1.90		74.62
7'		2.30		74.22

			76.52	
No. line		3.67		72.85
15'		4.90		71.62
	100' W. of W. line of 10th,			
15' No. of N. line		3.70		72.82
No. line		2.64		73.88
Curb		2.30		74.22
18'		2.55		73.97
10'		2.70		73.82
Center		3.85		72.67
13'		5.00		71.52
Curb		5.32		71.20
So. line		5.30		71.22
15'		5.30		71.22
	125' W of W. line of 10th.			
15'		5.30		71.22
So. line		5.35		71.17
Curb.		5.18		71.34
13'		3.87		72.65

			76.52		
Center		2.15		74.37	
13'		2.10		74.42	
Curb		1.85		74.67	
No. line		1.64		74.88	
15'		1.60		74.92	
T.P.	6.78	1.40	81.90	75.12	
150' W. of W. line of 10th					
10' N. of Line		1.4		80.50	
No. line		3.7		78.20	
Curb		5.7		76.20	
13'		6.3		75.60	
Center		7.0		74.90	
13'		7.9		74.00	
Curb		9.5		72.40	
So. line		9.1		72.80	
10' So.		8.8		73.10	

Add ditch 5' wide 2' deep 75' long.

			81.90	
	175' W. of W. side of 10th			
5'		8.05		73.85
So. line		8.05		73.85
Curb		7.57		73.33
13'		6.46		75.44
Center		5.22		75.68
13'		4.15		77.75
Curb		3.05		78.85
No. line		1.43		80.47
10'		1.40		80.50
	192' W. of W. line of 10th			
T.P.	8.74	0.72	89.92	81.18
No. line		7.00		82.92
Curb.		7.70		82.22
13'		9.57		80.35
Center		11.15		78.77
13'		11.60		78.32
Curb		13.40		76.52
So. line		13.80		76.12

			89.92		
	East line of 9th st.				
So. line		11.45		78.47	
Curb		10.43		79.49	
13'		9.87		80.05	
Center		7.20		82.72	
13'		6.75		83.17	
Curb		6.07		83.85	
No. line		5.00		84.92	
B.M.		6.63		83.29	× Hydrant S.E. cor. 9th & "A"
	West line of 9th.				
Gutter N. side		1.55		88.37	
13'		2.13		87.79	
Center		2.75		87.17	
13'		4.15		85.77	
Curb.		4.43		85.49	
So. line		4.95		84.97	

	B.S.	F.S.	I.H.	Elev.	
			89.92		
	25' W. of W. line of 9th,				
So. line		2.92		87.00	
Curb.		2.33		87.59	
T.P.	10.61.	0.62	99.91	89.30	
T.P.		9.26		90.65	on Bolt.
		d'Hemecourt			
March 9th 1901		Williams			
		Kennistone			
T.P.	9.81.		~~100.46~~ 100.46	90.65	on Bolt.
13'		12.10		88.36	
Center		11.60		88.86	
13'		11.07		89.39	
N. Gutter		11.55		88.91	
	50' W. of W. line of 9th,				
Gutter N. side.		8.48		91.98	
13'		8.97		91.49	
Center		9.00		91.46	
13'		9.77		90.69	

			100.46		
Curb		11.24		89.22	
So. line		11.63		88.83	
	75' W. of W. line of 9th				
So. line		9.40		91.06	
Curb		8.27		92.19	
13'		7.50		92.96	
Center		6.83		93.63	
13'		6.61		93.85	
No. Gutter		6.45		94.01	
	100' W. of W. line of 9th.				
No. Gutter		4.46		96.00	
13'		4.22		96.24	
Center		4.59		95.87	
13'		4.95		95.51	
Curb.		6.11		94.35	
So. line		6.18		94.28	

125' W. of W. line of 9th,				
			160.46	
So. line		3.47		96.99
Curb		3.43		97.03
13'		2.45		98.01
Center		2.13		98.33
13'		1.97		98.49
No. Gutter		2.53		97.93
T.P.	9.08	1.00	108.54	99.46
150' W. of W. line of 9th,				
No. line		6.75		101.79
Curb.		7.54		101.00
Gutter ~~13'~~		8.57		99.97
13'		7.57		100.97
Center		7.90		100.64
13'		8.13		100.41
Curb		8.64		99.90
So. line		9.22		99.32

	175' W. of W. line of gdn.			
			108.54	
So. line		6.63		101.91
Curb		6.12		102.42
13'		5.52		103.02
Center		5.38		103.16
13'		5.51		103.03
Curb.		4.73		103.81
No. line		4.24		104.30
B.M.		1.76		106.78
	195' W. of W. line of gdn			
No. line		2.22		106.32
Curb		3.40		105.14
13'		4.03		104.51
Center		4.57		103.97
13'		4.65		103.89
Curb.		4.93		103.61
So. line		5.32		103.22

N.E. cor. 8th & a: (106.81)

	East line of 8th. Street,			
			108.54	
So. line		5.70		102.84
Curb.		5.16		103.38
13'		5.24		103.30
Center		4.97		103.57
13'		4.30		104.24
Curb.		3.64		104.90
No. line		3.15		105.39
	West line of 8th. street.			
No. line		1.20		107.34
Curb.		2.50		106.04
13'		3.34		105.20
Center		3.42		105.12
13'		3.97		104.57
Curb.		4.12		104.42
So. line		4.15		104.39
	5' W. of W. line of 8th			
So. line		3.18		105.36
Curb.		3.15		105.39
13'		3.28		105.26

			108.54	
Center		2.89		105.65
13'		2.56		105.98
Curb		1.70		106.84
No. line		0.63		107.91
25'	W. of W. line of Sh.			
No. line		1.30		107.24
Curb.		1.70		106.84
13'		1.83		106.61
Center		2.05		106.49
13'		2.43		106.11
Curb		3.14		105.40
So. line		3.43		105.11
50'	W. of W. line of Sh			
So. line		3.80		104.74
Curb		3.51		105.03
13'		2.73		105.81
Center		2.35		106.19
13'		2.22		106.32

			108.54	
Curb		2.10		106.44
No. line		1.43		107.11
	75' W. of W. line of 5th,			
No. line		1.55		106.99
Curb		2.47		106.07
13'		2.77		105.77
Center		3.00		105.54
13'		3.18		105.36
Curb		4.08		104.46
So. line		4.34		104.20
	~~to~~ 100' W. of W. line of 5th,			
So. line		4.87		103.67
Curb		4.95		103.59
13'		4.18		104.36
Center		3.95		104.59
13'		3.67		104.87
Curb		3.17		105.37
No. line		2.40		106.14

T.P.	1.81	3.10	107.25	105.44
125' W. of W. line of 8th.				
No. line		2.67		104.58
Curb		3.55		103.70
13'		3.75		103.50
Center		4.15		103.10
13'		4.31		102.94
Curb.		5.35		101.90
So. line		5.10		102.15
150' W. of W. line of 8th.				
So. line		7.20		100.05
Curb.		7.40		99.85
13'.		6.12		101.13
Center		5.95		101.30
13'		5.80		101.45
Curb		5.66		101.59
No. line		4.82		102.43

	175' W. of W. line of 8th,				
No. line		6.52	107.25	100.43	
Curb		7.40		99.85	
13'		7.63		99.62	
Center		7.42		99.83	
13'		7.57		99.68	
Curb		8.94		98.31	
So. line		9.02		98.23	
	East line of 7th. St.				
So. line		10.28		96.97	
Curb		10.28		96.97	
13'		9.62		97.63	
Center		9.04		98.21	
13'		9.00		98.25	
Curb		9.04		98.21	
No. line		8.63		98.62	
BM		0.47		106.78	N.E. cor. 8th + a.

March 21/1901.

H. st. So. side. Betn. 6th + 7th

1 ✓	1.7 × 1.9		3.23
2 ✓	1.9 × 1.6		3.04
3 ✓	2.7 × 2.2 + 2.2 × 1.2	5.94 2.64 8.58	

Int. of 7th.

4 ✓	4.4 × 2.1 + 3.6 × 1.4	9.24 5.04 14.28	14.28
5 ✓			
6 ✓	see page 136		
7 ✓	1.8 × 2.4		4.32

Betn 7th + 8th.

8 ✓	2.1 × 2.1	4.41	
	2.1 × 2.2	4.62	
	2.5 × 0.8	2.00	11.03
9 ✓	2.0 × 1.9	3.80	
	1.3 × 0.6	.78	
	2.0 × 1.5	3.00	
	1.1 × 0.3	.33	
	1.4 × 0.3	.42	8.33

South side of H.

10 ✓	3.9 × 2.4	9.36	
	3.5 × 2.1	7.35	
	2.0 × 0.9	1.80	
	2.2 × 1.3	2.86	21.37
11 ✓	4.0 × 3.1	12.40	
	4.2 × 2.8	11.76	
	2.0 × 0.7	1.40	25.56

Intersection of 8th

12 ✓	5.1 × 2.7	13.77	
	2.8 × 1.2	3.36	17.13

Intersection of 9th

13 ✓	2.8 × 3.6	10.08	10.08
14 ✓	2.6 × 3.8	9.88	
	1.9 × 0.9	1.71	
	3.8 × 0.6	2.28	13.87
15 ✓	1.8 × 1.9		3.42

So. side of H.

	Intersection of 10th.		
16 ✓	5.5 × 1.8		9.90
17 ✓	2.6 × 6.7	17.42	
	1.6 × 1.6	2.56	
	1.9 × 2.5	4.75	
	5.6 × 3.8	21.28	
	2.3 × 1.3	2.99	
	8.3 × 3.2	26.56	
	2.3 × 1.1	2.53	78.09
18 ✓	7.9 × 2.2		17.38
	Bet. 10th + 11th.		
19. ✓	3.2 × 3.2	10.24	
	2.3 × 0.9	2.07	
	2.4 × 1.0	2.40	14.71
	Betw. 11th. + 12th.		
20 ✓	2.9 × 3.4		9.86
	Int. of 12th		
21 ✓	3.6 × 5.7	20.52	
	3.6 × 4.3	15.48	
	3.8 × 1.5	5.70	41.70

H.

22 ✓	3.0 × 4.0	12.00	
	2.5 × 3.8	9.50	
	2.1 × 3.4	7.14	
	2.0 × 3.7	7.40	
	2.3 × 1.8	4.24	40.28
	Bet. 12th + 13th.		
23 ✓	3.7 × 8.0	29.60	
	3.5 × 1.9	6.65	
	0.7 × 0.9	.63	36.88
24 ✓	1.6 × 2.7	4.32	
	2.1 × 2.3	4.83	
	3.0 × 1.9	5.70	
	0.9 × 0.6	.54	15.39
25 ✓	3.3 × 1.5	4.95	4.95
26 ✓	1.5 × 1.6	2.40	
	1.4 × 1.6	2.24	
	1.8 × 0.6	1.08	
	3.8 × 1.4	5.32	11.04

H

27	1.4 × 2.6	3.64	
	2.3 × 1.8	4.14	7.78
28	1.4 × 5.3	7.42	
	3.8 × 2.4	9.12	
	2.4 × 3.4	8.16	
	3.4 × 5.2	17.68	
	1.7 × 3.8	6.46	
	3.7 × 2.5	9.25	
	5.3 × 3.5	18.55	
	2.6 × 1.9	4.94	81.58
	Int. of 13th		
29	4.0 × 5.1	20.4	
	4.0 × 1.8	7.2	27.60
30	2.7 × 3.0		8.10
31	1.4 × 4.8	6.72	
	1.5 × 3.7	5.55	
	2.4 × 0.7	1.68	
	2.9 × 3.0	8.70	22.65

H

	Bet'n 13th + 14th.		
32	3.0 × 4.3		12.90
33	3.6 × 2.0		7.20
34	3.4 × 6.7	22.78	
	5.4 × 1.7	9.18	31.96
35	2.2 × 6.1	13.42	
	2.4 × 1.8	4.32	17.74
	Intersection of 14th.		
36	1.6 × 2.9	4.64	
	2.0 × 2.3	4.60	
	2.4 × 1.9	4.56	13.80
37	1.9 × 5.5		10.45
	Bet'n. 14th + 15th.		
38	3.0 × 2.9		8.70
39	4.0 × 4.9	19.60	
	7.0 × 1.3	9.10	
	2.0 × 0.9	1.80	30.50

N.

40 ✓	3.0 × 3.5	10.50	
	1.2 × 0.3	.36	
	1.5 × 0.6	.90	11.76
41 ✓	3.9 × 4.2		16.38
	Bet'n 15th and 16th.		
42 ✓	4.0 × 2.0	8.00	
	2.2 × 0.7	1.54	9.54
43 ✓	1.5 × 2.2	3.30	
	2.1 × 1.3	2.73	
	2.0 × 1.7	3.40	
	0.6 × 0.6	.36	
	3.9 × 2.0	7.80	17.59
	Int. 16th		
44 ✓	2.8 × 5.3	14.84	
	0.6 × 0.6	.36	
	6.7 × 2.9	19.43	34.63

N.

45 ✓	3.2 × 2.8	8.96	
	3.4 × 1.0	3.40	
	0.9 × 1.0	.90	
	1.0 × 2.1	2.10	
	3.2 × 2.5	8.00	
	3.6 × 1.7	6.12	
	1.0 × 1.7	1.70	
	3.4 × 3.0	10.20	
	1.8 × 0.7	1.26	42.64
	North side of N.		
	Int. of 16th.		
46 ✓	1.7 × 3.2		5.44
47 ✓	2.3 × 1.9		4.37
	Bet'n. 16th + 15th		
48 ✓	2.0 × 2.0		4.00
49 ✓	5.4 × 6.9		37.26
50 ✓	5.3 × 3.0		15.90

H1

51 ✓	3.9 × 3.5	13.65	
	2.8 × 0.8	2.24	
	2.8 × 2.2	6.16	22.05
52 ✓	3.7 × 5.0	18.5	
	3.3 × 1.4	4.62	23.12
53 ✓	4.6 × 4.0		18.40
54 ✓	2.0 × 2.3		4.60
55 ✓	6.4 × 3.4	21.76	
	5.8 × 5.0	29.40	51.16
56 ✓	7.7 × 2.2	16.94	
	3.0 × 4.2	12.60	
	5.4 × 3.8	20.52	
	3.6 × 4.0	14.40	
	3.5 × 4.3	15.05	
	4.7 × 3.0	14.10	
	4.5 × 3.6	16.20	
	2.3 × 2.6	5.98	
	10.3 × 1.3	13.39	129.18
57 ✓	3.1 × 3.4		10.54

H1

58 ✓	3.4 × 7.2	24.48	
	1.3 × 1.0	1.30	
	7.3 × 3.5	25.55	51.33
59 ✓	1.4 × 1.3	1.82	
	1.9 × 3.7	7.03	
	1.7 × 4.0	6.80	
	1.0 × 5.3	5.30	
	0.8 × 1.6	1.28	
	6.4 × 7.9	50.56	
	7.6 × 5.0	38.00	
	3.3 × 3.0	9.90	
	2.2 × 3.2	7.04	
	2.5 × 0.5	1.25	128.98
60 ✓	1.9 × 2.6	4.94	
	2.0 × 2.0	4.00	8.94
61 ✓	2.2 × 2.0		4.40
62 ✓	2.8 × 3.8		10.64
63 ✓	2.0 × 2.2		4.40

A1

	Intersection of 15th			
64 ✓	2.0 × 2.0			4.00
	Bet'n 13th + 12th.			
65 ✓	1.6 × 1.6			2.56
66 ✓	1.9 × 1.7			3.23
67 ✓	1.9 × 1.9			3.61
68 ✓	1.3 × 3.0		3.90	
	1.6 × 2.7		4.32	
	1.6 × 1.7		2.72	10.94
	Intersection of 12th			
69 ✓	4.0 × 2.0			8.00
70 ✓	3.0 × 2.3			6.90
7				
	Bet'n 12th + 11th.			
71 ✓	4.0 × 4.0			16.00
72 ✓	4.9 × 3.1			15.19
73 ✓	2.9 × 3.2			9.28

A1

74 ✓	3.0 × 1.9		5.70
75 ✓	2.8 × 2.3		6.44
76 ✓	2.3 × 1.6	3.68	
	0.7 × 1.7	.34	
	0.6 × 1.3	.78	4.80
77 ✓	3.3 × 4.4		14.52
78 ✓	3.2 × 1.8		5.76
79 ✓	3.0 × 1.7		5.10
80 ✓	3.3 × 1.2		3.96
81 ✓	2.1 × 3.0		6.30
82 ✓	1.6 × 2.4	3.84	
	1.5 × 2.3	3.45	7.29
	Intersection of 11th		
83 ✓	2.1 × 1.6		3.36
84 ✓	4.5 × 3.2		14.40
	Bet'n 11th + 10th.		
85 ✓	5.3 × 1.7	9.01	
	0.5 × 1.4	.70	
	0.6 × 1.4	.84	10.55

K.

86 ✓	7.2 × 2.1			15.12
87 ✓	2.6 × 3.7			9.62
88 ✓	2.7 × 2.0			5.40
89 ✓	2.5 × 2.2		5.50	
	2.1 × 0.9		1.89	7.39

Bet'n 10th and 9th.

90 ✓	2.6 × 3.4			8.84
91 ✓	5.4 × 8.2			44.28

Bet'n 8th and 7th

92 ✓	1.8 × 2.9			5.22
93 ✓	6.2 × 2.1			13.02
94 ✓	4.3 × 3.0			12.90
95 ✓	21.0 × 2.7			56.70
96 ✓	3.7 × 5.0	Bet'n 7th + 6th	18.50	
	1.6 × 4.7		7.52	26.02

Friday March 22d. 1901

Sixth Street.

Bet'n K and L.

97 ✓	3.9 × 2.2		8.58 ✓
98 ✓	2.0 × 1.3		2.60 ✓
99 ✓	1.1 × 1.0		1.10 ✓

Bet'n J + K.

100 ✓	2.0 × 1.9		~~Water 6~~ 3.80
~~101~~	~~1.9 × 1.7~~ water		~~3.23~~
102 ✓	4.7 × 2.5		11.75
103 ✓	1.2 × 2.6		3.12

Bet'n I + J.

104 ✓	3.4 × 2.1		7.14
105 ✓	1.3 × 1.5		1.95
106 ✓	~~2.2 × 3.2~~	7.04	
	3.1 × 0.6	1.86	8.90
107 ✓	5.6 × 2.7		15.12

Int. of I.

108 ✓	3.2 × 2.4	7.68	
	2.5 × 0.6	1.50	9.18

Sixth Street.

Bet'n H + I,

109 ✓	1.8 × 1.4			2.52
110 ✓	2.0 × 1.6			3.20
111 ✓	2.1 × 1.4			2.94
112 ✓	2.6 × 2.0			5.20
~~113~~	~~1.3 × 1.7~~	Water		~~2.21~~
114 ✓	2.9 × 1.7			4.93
115 ✓	2.7 × 3.4		9.18	
	1.9 × 0.6		1.14	10.32
116 ✓	2.0 × 2.3			4.60
117 ✓	6.9 × 3.4		23.46	
	3.4 × 0.4		1.36	
	2.4 × 1.9		4.56	29.38
118 ✓	3.8 × 1.8		6.84	
	9.1 × 2.8		25.48	32.32
119 ✓	2.9 × 3.2		9.28	
	2.3 × 0.8		1.84	
	1.0 × 1.3		1.30	
	2.0 × 2.9		5.80	18.22
120 ✓	2.3 × 1.8			4.14

121 ✓	2.0 × 2.6		5.20
122 ✓	1.6 × 1.9		3.04

Intersection of H.

123 ✓	1.3 × 1.6		2.08
124 ✓	2.3 × 2.5		5.75
125 ✓	3.0 × 2.3		6.90
126 ✓	4.0 × 3.0		12.00
127 ✓	0.8 × 2.6		2.08
128 ✓	4.4 × 1.7	7.48	
	2.3 × 1.6	3.68	11.16
129 ✓	1.4 × 1.0	1.40	
~~130~~	1.2 × 1.6	1.92	
	1.2 × 0.5	.60	
	2.4 × 2.6	6.24	10.16
130 ✓	3.6 × 2.3		8.28
131 ✓	2.9 × 2.7		7.83
132 ✓	5.1 × 4.1	20.61	
	3.7 × 0.9	3.33	
✓	2.5 × 1.0	2.50	26.44
133	2.6 × 0.5		1.30

Sixth Street,

Bath H and G.

134 ✓	2.8 × 2.8			7.84
~~135~~	~~1.7 × 1.8~~	water		~~3.06~~
136 ✓	1.4 × 2.2			3.08
137 ✓	1.7 × 3.1			5.27
138 ✓	1.4 × 2.2			3.08
~~139~~	~~1.7 × 1.5~~	water		~~2.55~~
140 ✓	1.8 × 2.0			3.60
141 ✓	1.5 × 1.6			2.40
142 ✓	3.6 × 3.9			14.04
143 ✓	2.3 × 1.6			3.68
144 ✓	1.9 × 1.7			3.23
145 ✓	2.6 × 2.9	7.54		
	1.8 × 1.1	1.98		
	1.8 × 0.7	1.26		10.78
146 ✓	3.4 × 1.6	5.44		
	0.3 × 1.8	.54		
	0.9 × 0.3	.27		
	1.7 × 0.4	.68		6.93
147	1.8 × 1.7			3.06

Sixth St,

148 ✓	2.5 × 1.6		4.00
149 ✓	2.3 × 3.9		8.97
150 ✓	2.6 × 4.4		11.44
151 ✓	1.1 × 2.2		2.42
152 ✓	2.0 × 2.8		5.60
153 ✓	2.0 × 2.4		4.80
154 ✓	3.2 × 3.6		11.88
155 ✓	2.2 × 1.6		3.52
156 ✓	5.3 × 2.1		11.13
157 ✓	2.5 × 1.8	4.50	
	3.4 × 3.7	12.58	
	2.2 × 0.9	1.98	
	3.0 × 1.6	4.80	
	3.0 × 2.1	6.30	30.16
158 ✓	2.0 × 1.5		3.00
159 ✓	2.0 × 3.7		7.40
160 ✓	2.6 × 1.9		4.94
161 ✓	2.0 × 2.0		4.00
~~× 162~~	~~2.5 × 1.2~~	Out	
~~× 163~~	~~2.3 × 3.4~~	"	

Sixth Street.

162	✓	2.0 × 1.6			3.20
163	✓	1.6 × 1.7			2.72
164	✓	1.3 × 1.4			1.82
165	✓	2.6 × 2.8			7.28
166	✓	1.7 × 1.6			2.72
167	✓	2.7 × 2.8			7.56
168	✓	3.2 × 2.0			6.40
169	✓	2.4 × 2.3			5.52

Intersection of G.

170	✓	2.6 × 3.6			9.36
171	✓	2.4 × 2.3			5.52
172	✓	2.2 × 2.0			4.40
173	✓	2.7 × 1.4			3.78
174	✓	2.4 × 3.9			9.36
175	✓	1.5 × 1.4			2.10
176	✓	2.3 × 2.2			5.06
177	✓	3.1 × 2.0			6.20
~~178~~		~~1.2 × 7.0~~			

Bet'n F and G.

178	✓	1.2 × 7.0		8.40
179	✓	1.6 × 1.6		2.56
180	✓	7.1 × 1.7	12.07	
		2.7 × 1.4	3.78	
		2.0 × 1.0	2.00	17.85
181	✓	1.3 × 1.3	1.69	
		1.5 × 2.5	3.75	5.44
182	✓	2.7 × 3.3		8.91
183	✓	2.9 × 2.2		6.38
184	✓	2.1 × 1.5		3.15
185	✓	1.8 × 1.6		2.88
186	✓	2.1 × 1.9	3.99	
		1.9 × 1.6	3.04	7.03
187	✓	2.3 × 1.3	2.99	
		1.3 × 1.2	1.56	4.55
188	✓	4.2 × 3.0		12.60
189	✓	2.5 × 1.7		4.25
190	✓	1.7 × 2.7	4.59	
		1.8 × 1.2	2.16	
		3.3 × 1.3	4.29	11.04

191 ✓	2.8 × 3.1			8.68
192 ✓	2.7 × 2.2			5.94
193 ✓	2.1 × 4.3			9.03
194 ✓	5.4 × 2.7			14.58
195 ✓	2.2 × 2.2			4.84
196 ✓	2.6 × 2.1			5.46
197 ✓	4.6 × 2.0			9.20
198 ✓	2.2 × 1.8			3.96
199 ✓	1.6 × 1.6			2.56
200 ✓	3.8 × 2.2	8.36		
	2.3 × 1.5	3.45		
	2.4 × 1.1	2.64		
	4.0 × 3.4	13.60		28.05
201 ✓	1.4 × 1.4			1.96
	Intersection of F.			
202 ✓	1.9 × 1.9			3.61
203 ✓	2.2 × 1.7	3.74		
	2.2 × 1.8	3.96		7.70
204 ✓	1.6 × 1.6			2.56

205 ✓	1.6 × 1.6		2.56
206 ✓	1.7 × 1.4		2.38
207 ✓	1.7 × 1.5		2.55
208 ✓	4.6 × 3.4		15.64
	Bet'n E + F.		
209 ✓	4.2 × 3.3		13.86
210 ✓	3.6 × 2.5		9.00
211 ✓	3.0 × 1.7	5.10	
	2.6 × 1.9	4.94	10.04
212 ✓	4.4 × 1.8		7.92
213 ✓	2.7 × 1.7		4.59
~~214~~	~~2.0 × 1.6~~ water.		~~3.20~~
215 ✓	2.4 × 3.2		7.68
216 ✓	2.2 × 2.6		5.72
217 ✓	2.2 × 1.9 Int. of F. E.		4.18
218 ✓	2.0 × 3.0	6.00	
	1.9 × 1.0	1.90	7.90
219 ✓	1.4 × 1.7		2.38
220 ✓	3.6 × 3.0		10.80
221 ✓	1.6 × 1.5		2.40

Sixth Street.

222	1.8 × 3.9		7.02

Bet'n D and E.

223	2.2 × 2.3		5.06
224	1.9 × 3.6		6.84
225	2.8 × 2.2	6.16	
	1.7 × 1.2	2.04	
	1.6 × 1.0	1.60	9.80
226	2.1 × 3.0		6.30
227	2.2 × 4.1		9.02
228	1.4 × 1.5		2.10
229	4.3 × 2.2	9.46	
	1.4 × 1.8	2.52	11.98
230	1.6 × 2.4	3.84	
	1.6 × 0.7	1.12	4.96

D Street.

Bet'n 5th and 6th

231	8.0 × 3.8	11.40	
	3.1 × 3.8	11.18	
	4.8 × 5.0	24.00	
	2.6 × 0.5	1.30	47.88

~~232~~

Bet'n 4th + 5th

232	2.2 × 3.9	8.58	
	2.4 × 2.0	4.80	
	2.3 × 2.8	6.44	19.82
233	2.4 × 3.2		7.68
234	2.1 × 2.8		5.88
235	1.2 × 1.1	1.32	
	10.6 × 3.0	31.80	
	2.0 × 1.8	3.60	
	3.5 × 0.7	2.45	39.17
236	2.1 × 0.5	1.05	
	3.7 × 7.8	28.86	
	3.4 × 1.5	5.10	
	1.3 × 0.7	.91	35.92

D. Street.

237	2.5 x 2.1	5.25	
	1.4 x 0.7	.98	6.23
238	5.9 x 10.8	63.72	
	3.5 x 0.9	3.15	66.87
239	3.4 x 1.4		4.76
	Intersection of D, 4th.		
240	7.7 x 2.4	18.48	
	2.7 x 1.0	2.70	21.18
241	3.5 x 5.9		20.65
242	3.9 x 8.1	31.59	
	2.5 x 1.7	5.95	37.54
243	5.4 x 3.9		21.06
244	3.7 x 2.3		8.51
245	2.0 x 2.6	5.20	
	3.6 x 4.8	17.28	
	1.6 x 0.8	1.28	
	2.4 x 1.7	4.08	
	5.3 x 3.5	18.55	46.39
246	7.2 x 5.8		41.76

No. side of D. bet. 4th & 3d.

247	2.6 x 2.4		6.24
248	1.8 x 3.4	6.12	
	1.0 x 1.5	1.50	7.62
249	4.2 x 2.4	10.08	
	3.7 x 2.8	10.36	
	2.1 x 0.7	1.47	
	2.6 x 1.9	4.94	26.85
250	4.8 x 2.2		10.56
251	1.7 x 2.2	3.74	
	4.1 x 1.3	5.33	
	2.5 x 2.5	6.25	
	4.6 x 1.7	7.82	
	2.0 x 0.4	.80	23.94
252	3.3 x 2.9		9.57
253	1.5 x 1.7	2.55	
	7.2 x 4.4	31.68	
	4.7 x 4.3	20.21	
	3.0 x 1.5	4.50	
	5.8 x 3.9	22.62	
	4.2 x 1.5	6.30	87.86

"D" Street,

		87.86		
	2.1 × 1.7	3.57		
	1.1 × 0.9	.99		
	4.4 × 5.0	22.00		
	3.2 × 1.8	5.76		
	6.3 × 3.9	24.57		144.75
254 ✓	4.4 × 2.6			11.44
255 ✓	3.7 × 2.4	8.88		
	5.6 × 1.5	8.40		17.28
256 ✓	1.1 × 2.0	2.20		
	2.3 × 3.7	8.51		
	2.5 × 3.3	8.25		
	3.0 × 1.7	5.10		
	5.5 × 5.2	12.10		
	3.4 × 1.7	5.78		
	4.0 × 2.9	11.60		53.54
257 ✓	4.9 × 2.8	~~13~~		13.72
258 ✓	1.8 × 1.9	3.42		
	6.5 × 4.2	27.30		
	2.6 × 2.3	5.98		
	5.5 × 2.4	13.20		
	7.5 × 3.7	27.75	77.65	

		47.65	
	3.8 × 5.0	19.40	
	3.4 × 3.3	11.22	
	3.0 × 1.0	3.00	
	5.3 × 4.5	23.85	135.12
259 ✓	3.7 × 2.5		9.25
260 ✓	2.7 × 2.3		6.21

5th betw K + L,

261 ✓	2.8 × 1.9	5.32
262 ✓	3.0 × 2.3	6.90
263 ✓	4.8 × 3.1	14.88
264 ✓	2.8 × 2.6	7.28
265 ✓	7.1 × 2.7	19.17
266 ✓	1.3 × 0.9	1.17
267 ✓	2.0 × 1.5	3.00
268 ✓	1.1 × 1.0	1.10
269 ✓	1.8 × 1.8	3.24
270 ✓	3.9 × 1.8	7.02
271 ✓	3.3 × 1.2	3.96

272 ✓	1.5 × 1.5			2.25
273 ✓	2.4 × 2.0			4.80
274 ✓	1.5 × 2.0			3.00
275 ✓	2.9 × 2.8			8.12
276 ✓	1.7 × 1.2			2.04
277 ✓	3.4 × 4.6			15.64
278 ✓	1.2 × 3.3			3.96
279 ✓	2.2 × 1.3			2.86
280 ✓	6.3 × 4.2			26.46
281 ✓	2.6 × 4.0	10.40		
	4.9 × 5.0	24.50		
	2.2 × 4.8	10.56		
	3.5 × 4.0	14.00		59.46
282 ✓	4.0 × 4.0			16.00
283 ✓	3.4 × 3.8			12.92
284 ✓	2.7 × 2.6			7.02
285 ✓	2.5 × 2.7			6.75
286 ✓	3.5 × 2.7			9.45
287 ✓	3.6 × 3.4			12.24

K. bet'n 5 + 6 th.

288 ✓	5.0 × 4.6	23.00	
	3.0 × 1.0	3.00	
	5.0 × 1.0	5.00	31.00

5th bet'n J + K.

289 ✓	2.5 × 2.6		6.50
290 ✓	2.2 × 1.9		4.18

Intersection of 5th + J.

291 ✓	3.4 × 3.8		12.92

J. bet'n 5th + 6th.

292 ✓	3.3 × 4.3		14.19

J. bet'n. 4th and 5th.

293 ✓	4.4 × 2.6		11.44
294 ✓	3.6 × 3.6	12.96	
	3.0 × 1.0	3.00	
	2.4 × 0.8	1.92	
	2.8 × 0.7	1.96	19.84

		19.84		
	2.4 × 0.6	1.44		21.28
295	4.0 × 5.0			20.00
~~29~~	~~11.8 ×~~			
	5th. bet. I. + J.			
296	11.8 × 1.7			20.06
297	6.4 × 1.5	9.60		
	2.5 × 0.8	2.00		11.60
298	4.8 × 3.7			17.76
299	1.9 × 5.1			9.69
300	1.5 × 6.5	9.75		
	2.3 × 3.4	7.82		17.57
301	2.9 × 3.6			10.44
302	1.6 × 1.4			2.24
303	2.7 × 1.7			4.59
304	3.5 × 2.0			7.00
305	5.0 × 2.6	13.00		
	4.9 × 0.8	3.92		16.92
306	4.1 × 1.3	5.33		
	2.8 × 1.6	4.48		
	2.0 × 1.4	2.80		
	5.9 × 2.0	11.80		24.41

	Intersection of 5th + I.		
307	2.4 × 1.9		4.56
308	0.6 × 1.5	0.90	
	1.5 × 0.3	.45	
	9.4 × 1.5	14.10	15.45
309	3.6 × 2.6		7.36
310	3.2 × 1.6		5.12
	5th. bet'n H + I.		
311	2.4 × 4.6		11.04
312	3.4 × 1.9	6.46	
	3.1 × 0.3	.93	7.39
313	4.8 × 2.3	11.04	
	1.4 × 1.4	1.96	
	1.7 × 1.0	1.70	
	2.8 × 0.7	1.96	16.66
314	3.0 × 3.0	9.00	
	1.6 × 2.3	3.68	12.68
315	1.5 × 1.0		1.50
316	2.6 × 1.4	3.64	
	2.6 × 2.5	6.50	10.14

317 ✓	2.3 × 4.5		10.35
318 ✓	3.0 × 4.0		12.00
319 ✓	2.6 × 2.0		5.20
320 ✓	2.8 × 2.7		7.56
321 ✓	1.2 × 2.1	2.52	
	2.8 × 2.3	6.44	8.96
322 ✓	9.6 × 2.4	23.04	
	2.0 × 0.8	1.60	24.64
323 ✓	4.0 × 0.2	.80	
	3.9 × 4.0	15.60	16.40
324 ✓	2.3 × 2.7		6.21

Int. 5th + H.

325 ✓	3.9 × 2.7	10.53	
	1.2 × 1.6	1.92	12.45
326 ✓	2.0 × 1.8		3.60
327 ✓	16.0 × 2.9	46.40	
	5.6 × 2.2	12.32	58.72

H. betw 5th + 6th.

328 ✓	0.3 × 1.0	.30	
	4.8 × 3.2	15.36	
	3.9 × 6.7	26.13	
	2.1 × 2.9	6.09	47.88
329 ✓	4.6 × 2.7	12.42	
	1.3 × 1.4	1.82	
	0.4 × 1.2	.48	14.72
330 ✓	5.2 × 2.7	14.04	
	2.6 × 0.8	2.08	16.12
331 ✓	1.9 × 2.2	4.18	
	2.0 × 1.3	2.60	6.78
332 ✓	1.6 × 1.4		2.24
333 ✓	2.6 × 2.5		6.50

5th betw Ly + H.

334 ✓	3.2 × 1.0	3.20	
	3.2 × 1.5	4.80	8.00
335 ✓	2.9 × 2.8		8.12
336 ✓	2.5 × 2.2		5.50

337 ✓	1.7 × 0.9	1.53		
	1.8 × 2.2	3.96		5.49
338 ✓	2.0 × 1.9			3.80
339 ✓	2.2 × 1.0			2.20
340 ✓	2.0 × 1.7			3.40
341 ✓	3.0 × 4.0			12.00
	Intersection of 5th + lg.			
342 ✓	1.5 × 1.1			1.65
343 ✓	1.6 × 1.7			2.72
344 ✓	2.4 × 1.6			3.84
345 ✓	2.8 × 2.0			5.60
346 ✓	1.7 × 1.8			3.06
	lg. bet'n 5th + 6th			
347 ✓	1.5 × 1.4			2.10
348 ✓	1.8 × 1.5			2.70
349 ✓	3.6 × 1.9	6.84		
	2.8 × 1.3	3.64		10.48

	5th, bet'n ft and lg.		
350 ✓	3.7 × 1.5		5.55
351 ✓	2.3 × 2.4	5.52	
	2.6 × 1.2	3.12	8.64
352 ✓	3.3 × 2.5	8.25	
	1.5 × 1.6	2.40	10.65
353 ✓	1.7 × 1.6		2.72
354 ✓	1.9 × 1.7		3.23
355 ✓	1.8 × 1.4		2.52
356 ✓	1.8 × 1.8		3.24
357 ✓	4.5 × 1.5		6.75
358 ✓	3.0 × 2.0		6.00
359 ✓	13.8 × 7.6	104.88	
	2.3 × 2.0	4.60	
	3.5 × 4.7	16.45	
	2.7 × 1.9	5.13	131.06
360 ✓	2.8 × 1.7		4.76
361 ✓	2.0 × 1.5		3.00
362 ✓	1.6 × 2.0		3.20
363 ✓	2.5 × 2.2		5.50

364	3.8 × 1.3			4.94
	Intersection 5th + F.			
365	4.7 × 2.7	12.69		
	1.9 × 1.0	1.90		14.59
366	0.7 × 0.7	.49		
	1.0 × 0.6	.60		
	1.4 × 1.2	1.68		
	2.4 × 1.9	4.56		7.33
	5th, bet'n E. + F.			
367	7.2 × 1.5	10.80		
	1.4 × 0.7	.98		11.78
368	1.4 × 1.5	2.10		
	1.5 × 0.9	1.35		
	0.8 × 2.5	2.00		
	2.0 × 2.3	4.60		10.05
369	2.6 × 3.6			9.36
370	3.9 × 4.0			15.60

	E. bet'n 4th + 5th		
371	6.3 × 2.4		15.12
372	2.9 × 4.0		11.60
373	3.9 × 1.8	7.02	
	2.4 × 2.7	6.48	13.50
374	6.0 × 2.4		14.40
375	2.6 × 1.8		4.68
	5th bet'n D + E.		
376	3.6 × 2.2		7.92
377	3.2 × 1.4		4.48
378	2.1 × 2.5		5.25
379	1.9 × 1.9		18.81
380	1.4 × 1.7		2.38
381	1.4 × 1.5		2.10
	Int. D + 5th		
382	2.3 × 2.5		5.75
383	2.6 × 2.4 5th bet. C + D.		6.24
384	2.3 × 3.9		8.97

385 ✓	7.1 × 3.2	22.72	
	1.1 × 4.0	4.40	27.12
386 ✓	2.6 × 2.8		7.28
387 ✓	2.7 × 2.2		5.94
388 ✓	2.0 × 2.1		4.20

Monday March 25th 1901.

Fifth, between C + B.

389 ✓	3.9 × 3.0		11.70
390 ✓	1.5 × 1.2		1.80

Intersection B + 5th.

391 ✓	3.9 × 3.8		14.82
392 ✓	9.1 × 13.1	119.21	
	1.4 × 0.9	1.26	
	2.4 × 3.4	8.16	
	1.7 × 1.0	1.70	
	1.0 × 0.6	.60	
		130.93	

		130.93	
	2.5 × 1.1	2.75	
	2.3 × 3.8	8.74	
	1.0 × 1.2	1.20	
	3.6 × 1.4	5.04	
	2.0 × 2.7	5.40	
	1.4 × 2.5	3.50	
	3.9 × 2.0	7.80	
	6.3 × 0.6	3.78	
	1.6 × 4.0	6.40	175.54

5th. bet'w. B + a.

393 ✓	2.4 × 2.6		6.24
394 ✓	1.8 × 2.3	4.14	
	2.8 × 3.0	8.40	12.54
			171.74
395 ✓	27.7 × 6.2 Eng. House		53.40
	3.0 × 17.8		14.84
	2.8 × 5.3		7.25
	2.5 × 2.9		.40
	0.4 × 1.0		.60
	2.0 × 0.3		248.23

		248.23		
	0.5 × 8.7	4.35		
	2.7 × 1.9	5.13		
	7.6 × 3.6	27.36		
	4.9 × 1.1	5.39		
	1.0 × 1.1	1.10		
	2.9 × 1.5	4.35		
	3.0 × 0.3	.90		
	9.1 × 2.9	26.36		
	5.0 × 0.6	3.00	326.17	
396 ✓	0.9 × 1.6		1.44	
397 ✓	2.2 × 5.2	11.44		
	1.6 × 1.8	2.88		
	4.8 × 4.4	21.12		
	2.8 × 3.5	9.80		
	6.6 × 4.3	28.38		
	3.2 × 3.1	9.92	83.54	
398 ✓	5.9 × 1.4		8.26	
399 ✓	5.5 × 1.0		5.50	
400 ✓	2.5 × 3.0	7.50		
	4.0 × 1.0	4.00		
	5.2 × 4.0	20.80	32.30	

	Fourth bet'n a + B.		
401 ✓	2.9 × 1.2		3.48
	Intersection of B + 4th		
402 ✓	3.2 × 2.6		8.32
403 ✓	3.9 × 2.2		8.58
	4th. bet'n B + C.		
404 ✓	1.8 × 2.0		3.60
405 ✓	4.0 × 0.6	2.40	
	7.3 × 2.5	18.25	20.65
406 ✓	7.3 × 3.0	21.90	
	4.6 × 2.4	11.04	
	1.2 × 2.0	2.40	
	1.5 × 2.3	3.45	
	6.0 × 4.0	24.00	62.79
407 ✓	3.0 × 7.3	21.90	
	0.7 × 7.3	5.11	27.01
408 ✓	3.0 × 2.7		8.10
409 ✓	2.5 × 2.2		5.50
410 ✓	2.2 × 1.5		3.30

Intersection of 4th + C.

411. ✓	2.0 x 1.2	2.40	
	1.1 x 1.7	1.87	4.27
412 ✓	4.3 x 2.9	12.47	
	2.2 x 2.3	5.06	
	2.8 x 4.3	12.04	29.57
413 ✓	4.4 x 1.8	7.92	
414 ✓	3.2 x 1.6	5.12	~~13.04~~

"C" bet'n 4th + 5th.

415 ✓	2.9 x 1.5	4.35
416 ✓	1.7 x 1.8	3.06

Tuesday March 26th 1901.

4th, bet'n C. + D.

417 ✓	2.1 x 1.7	3.57
418 ✓	1.7 x 1.4	2.38
419	0.9 x 2.0	1.80

420 ✓	2.2 x 2.3		5.06
421 ✓	4.7 x 1.7		7.99
422 ✓	3.7 x 2.6	9.62	
	1.5 x 2.0	3.00	12.62

4th bet'n D. + E.

423 ✓	4.2 x 2.2		9.24
424 ✓	1.8 x 1.3		2.34
425 ✓	1.9 x 2.3		4.37
426 ✓	2.4 x 1.2		2.88
427 ✓	4.3 x 4.8		20.62
428 ✓	1.4 x 1.8		2.52
429 ✓	2.2 x 1.5		3.30
430 ✓	1.9 x 2.0		3.80
431 ✓	3.0 x 2.5		7.50
432 ✓	2.0 x 1.9		3.80
433 ✓	3.8 x 3.9	14.82	
	4.5 x 4.4	19.80	
	1.9 x 0.7	1.33	
	6.0 x 4.4	26.40	
		62.35	

		62.35	
	2.4 × 4.2	10.08	
	1.2 × 0.8	.96	73.39

Intersection of 4th + E.

434 ✓	5.1 × 5.3	27.03	
	5.2 × 1.2	6.24	33.27
435 ✓	4.9 × 3.8		18.62

4th. Bet'n E. + F.

436 ✓	2.5 × 2.3		5.75
437 ✓	2.1 × 1.8		3.78
438 ✓	2.3 × 2.3		5.29

F. bet'n 4th + 5th.

439 ✓	4.0 × 2.1		8.40
440 ✓	2.2 × 2.2		4.84

4th. bet'n F. + G.

440 ✓	1.8 × 1.6		2.88
441 ✓	2.8 × 2.0		5.60
442 ✓	1.9 × 1.9		3.61

443 ✓	2.8 × 1.7		4.76

Intersection of G + 4th

444 ✓	5.2 × 2.2	11.44	
	4.0 × 1.2	4.80	
	2.6 × 2.3	5.98	
	5.0 × 8.0	40.00	62.22
445 ✓	3.0 × 1.6	4.80	
	2.3 × 4.0	9.20	
	3.4 × 1.6	5.44	
	1.2 × 1.7	2.04	
	2.5 × 1.3	3.25	
	16.8 × 2.9	48.72	73.45
446 ✓	2.2 × 13.5		29.70
447 ✓	2.0 × 1.6		3.20
448 ✓	2.8 × 2.0		5.60
	~~1.8 × 1.2~~		

4th bet'n G + H.

X 449 ✓	1.8 × 1.2	2.16	
	3.0 × 3.1	9.30	
	3.4 × 3.4	11.56	23.02

		23.02	
	3.2 × 3.3	10.56	
	1.4 × 1.2	1.68	35.26
450 ✓	4.3 × 2.6		11.18
451 ✓	3.7 × 3.5		12.95
452 ✓	4.5 × 5.0		22.50
453 ✓	2.4 × 4.0		9.60

Wednesday, March 27/1901.

Intersection of 4th × H,

454 ✓	5.2 × 6.1	31.72	
	3.9 × 1.1	4.29	36.01
455 ✓	1.8 × 2.0		3.60
456 ✓	3.0 × 2.5		7.50
457 ✓	2.3 × 4.4	10.12	
	2.9 × 0.6	1.74	
	5.4 × 5.3	28.62	
	2.7 × 1.3	3.51	44.09
458 ✓	2.8 × 1.9	5.32	
	5.5 × 2.4	13.20	18.52

459 ✓	2.0 × 1.8	3.60
460 ✓	2.3 × 2.7	6.21
461 ✓	2.2 × 1.4	3.08

H. bet'n 4th + 5th

462 ✓	3.6 × 3.4	12.24
463 ✓	3.0 × 2.8	8.40

4th. bet'n H and J.

464 ✓	1.9 × 2.1	3.99

4th. bet'n J. + J.

465 ✓	3.2 × 4.5	14.40

~~J. bet'n K + 5th~~ K. bet'n 4th + 5th

466 ✓	2.0 × 1.3	2.60	
	1.0 × 1.0	1.0	
	2.2 × 5.2	11.44	
	4.7 × 4.2	19.74	34.78

467 ✓	1.8 × 2.4		4.32
468 ✓	3.5 × 2.0		7.00
469 ✓	1.6 × 1.5	2.40	
	0.9 × 1.2	1.08	
	2.5 × 4.0	10.00	
	2.0 × 1.4	2.80	
	1.1 × 1.9	2.09	
	5.6 × 2.0	11.20	29.57

F. Ot. Betw 7th + 8th

470 ✓	6.7 × 3.0	20.10	
	3.4 × 0.4	1.36	21.46
471 ✓	0.8 × 1.2	.96	
	6.2 × 1.9	11.78	
	2.5 × 1.7	4.25	16.99
472 ✓	2.8 × 1.0	2.80	
	1.0 × 0.6	.06	2.86
473 ✓	2.9 × 1.3		3.77
474 ✓	3.6 × 1.6	5.76	
	3.4 × 0.6	2.04	7.80

475 ✓	2.3 × 2.5		5.75
476 ✓	1.7 × 1.5		2.55
477 ✓	10.6 × 1.8		19.08

Intersection of 7th + 7.

478 ✓	3.4 × 2.9	9.86	
	2.0 × 1.3	2.60	12.46
479 ✓	2.7 × 2.0		5.40
480 ✓	2.9 × 2.0		5.80
481 ✓	3.2 × 2.2		7.04
482 ✓	2.5 × 6.4	16.00	
	2.9 × 2.0	5.80	21.80
483 ✓	2.5 × 4.0	10.00	
	2.0 × 0.5	1.00	11.00
484 ✓	2.5 × 2.0		5.00

F. bet'w 6th + 7th

485 ✓	3.5 × 7.7		26.95
486 ✓	3.3 × 3.6		11.88
487 ✓	1.4 × 1.6		2.24

488	2.5 × 3.0			7.50
489.	2.4 × 2.3			5.52
490	3.1 × 2.5			7.75
491	1.4 × 2.6			3.64
492	2.3 × 1.1			2.53
5 see p.86	1.8 × 2.3	4.14		
	2.8 × 3.2	8.96		
	2.4 × 1.2	2.88		15.98
6	5.0 × 4.2	20.10		
	3.2 × 0.9	2.88		
	3.0 × 2.0	6.00		
	5.0 × 0.6	3.00		31.98

Sidewalk B. Sel. 3 + 4 – No. side

493.	5.8 × 1.0	5.80	
494	18.0 × 0.8	14.4	20.20
	21.5 × 4.0		86.2

4th.

495	20.5 × 2.2		45.10

410
410
4510

March 29/1901 –

necessary on
Repair – So. side of D.
bet'n 3d + 4th

11.0 × 3.5	33 00
7.0 × 2.5	17 50
8.0 × 3.0	24 00
3.5 × 4.0	14 00
11.0 × 7.5	82 50
5.0 × 14.0	70 00
3.5 × 16.0	54 00
10.0 × 8.0	80 00
9.0 × 6.5	58 50
7.0 × 3.5	24 50
6.0 × 1.0	6 00
3.0 × 3.0	9 00
17.0 × 1.6	27 20
9.0 × 104.0	936
25 × 2.0	50 00
	1486 20

Grades on "a" between 7th + 9th,

April 17/1901

107.98	107.98	B.M.	106.81
97.75	98.59		1.17
10.23	9.39	J.H.	107.98
107.98	107.98		
99.37	97.81		
8.61	10.17		
10.97	107.98		
	100.25		
	7.73		
107.98	107.98		
99.43	98.62		
8.55	9.36		
107.98	107.98	107.98	
100.25	101.12	102.00	
7.73	6.86	5.98	
107.98	107.98	107.98	
101.87	102.81	103.75	
6.11	5.17	4.23	
107.98	107.98	107.98	107.98
103.75	103.40	104.50	105.5
4.23	4.58	3.48	2.48

		107.35	
		102.75	
		4.60	
107.35	107.35	107.35	BM = 106.81
104.50	103.50	102.5	0.54
2.85	3.85	4.85	J.H. 107.35
			10.56
			T.P. 96.79
			+ 1.83
107.35	107.35		J.H. 98.62
98.38	99.50		
8.97	7.85		
			5.34
			1.50
			6.84
107.35	98.62	98.62	
95.50	95.50	94.25	
11.80	3.12	4.37	
98.62	98.62	98.62	98.62
90.12	91.50	86.00	87.50
8.50	7.12	12.62	11.12
			B.M. 83.35
			3.28
			J.H. 86.63
86.63	86.63	86.63	
83	84.50	86	
3.63	2.13	.63	
			1.19
86.63	86.63	86.63	
80.37	81.56	82.75	
6.26	5.07	3.88	
1.19			

Grades on "a"

April 18/1904

84.28	84.28	B.M.	89.89	
81.62	78.75		0.31	
2.66	5.53	I.H.	90.20	
			8.17	
		T.P.	82.03	
			2.25	
84.28	84.28	I.H.	84.28	
75.87	73.00			
8.41	11.28			
		B.M.	106.81	
			0.33	
107.14	107.14	I.H.	107.14	
103.90	102.60		10.89	
3.20	4.50	T.P.	96.25	
			0.94	
107.14	107.14	I.H.	97.19	
98.54	100.02			
8.60	7.12			
107.14	97.19	B.M.	83.35	
96.15	94.47		9.05	
10.99	2.72	I.H.	92.40	
97.19	97.19	92.40		
90.41	92.27	86.35		
6.78	~~5.84~~	6.05		
	4.92			
97.19	97.19			
88.40	86.35			
8.79	10.84			

107.88	107.88		B.M. 106.81
104.90	103.15		1.07
2.98	4.73		107.88
107.88	107.88	107.88	
101.40	99.65	97.90	
6.48	8.23	9.98	

98.89
91.37
7.52

98.89
91.25
7.64

98.89
91.50
7.39

98.89
95.75
3.14

98.89
96.00
2.89

98.89
96.25
2.64

104.08
100.75
3.33

104.08
101
3.08

104.08
100.37
3.71

104.08
100.62
3.46

99.34
81.87
8.47

84.66
79.
5.66

84.66
78.75
5.91

84.66
76.12
8.54

B.M. = 89.87
9.02
I.H. 98.89
2.89
T.P. 96.00
8.08
I.H. = 104.08

B.M. 89.87
0.47
I.H. 90.34
8.47
T.P. 81.87
2.79
I.H. 84.66

108.27
105.75
2.52

108.27
104.00
4.27

108.27
102.25
6.02

108.27
100.50
7.77

108.27
98.87
9.40

108.27
100.50
7.77

108.27
102.12
6.15

108.27
103.75
4.52

107.57
98.63
8.94

107.57
97.75

97.25
94.50
2.75

97.25
90.37
6.88

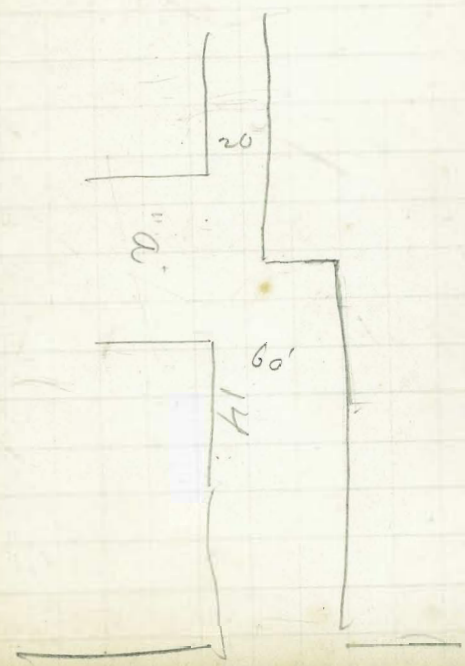
B.M. 106.81
1.46
I.H. 108.27

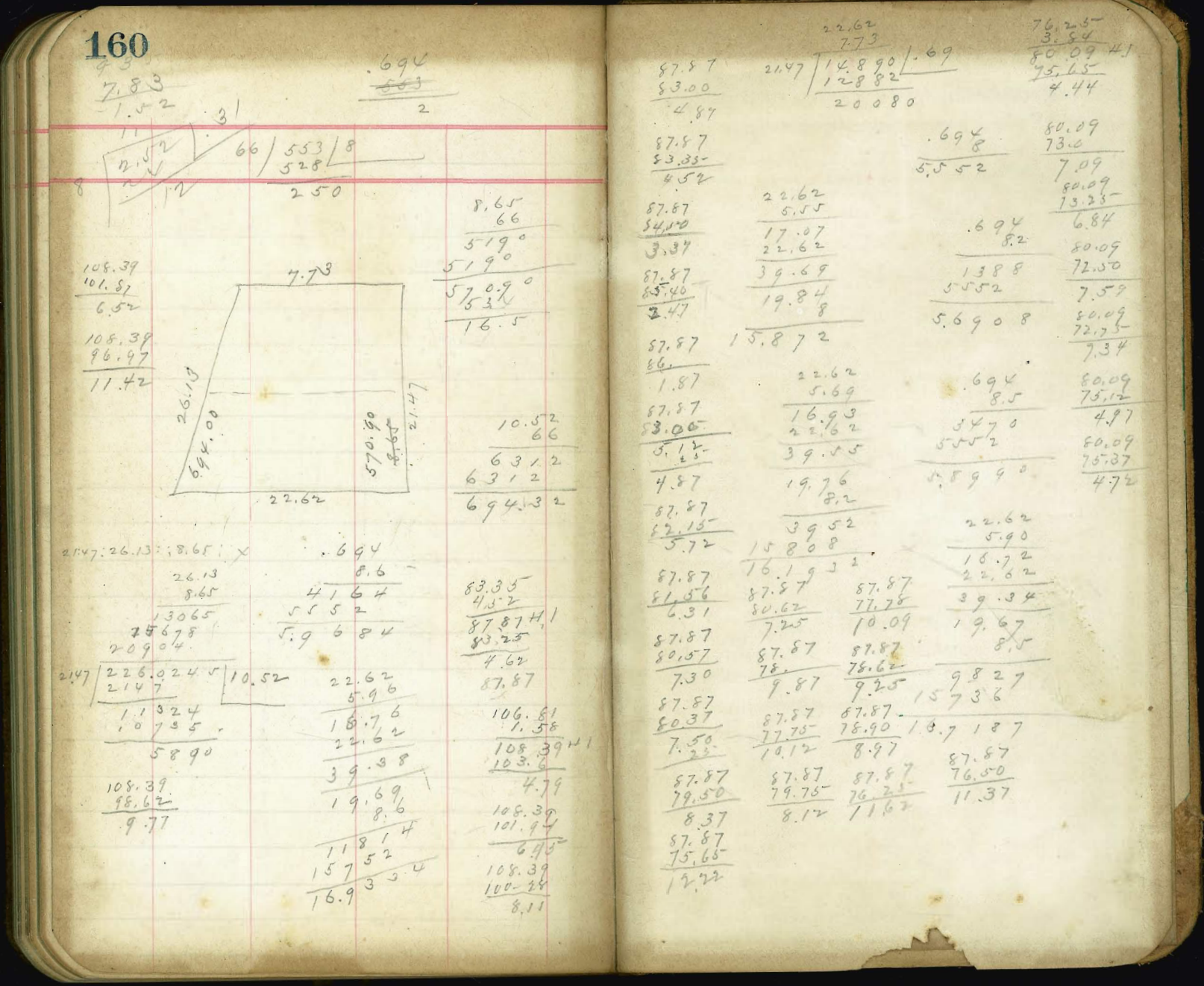
B.M. 106.81
0.76
I.H. 107.57
11.75
T.P. 95.82
1.43
97.25

			I.H.	Elev.
	4.21		126.57	122.36
		1.57		125.00
T.P.	3.54	11.91	118.70	114.66
		5.90		112.30
		3.50		114.80

B. M. on top of Wall N. E. Cor. of Beech + 6th.
Top of flow (main flow

flow of W.C. in back of lot
Level of Basement floor




7.73
26.13
694.00
570.90
21.47
22.62

112
Return to City Engineers Office
City Hall, San Diego, Cal.

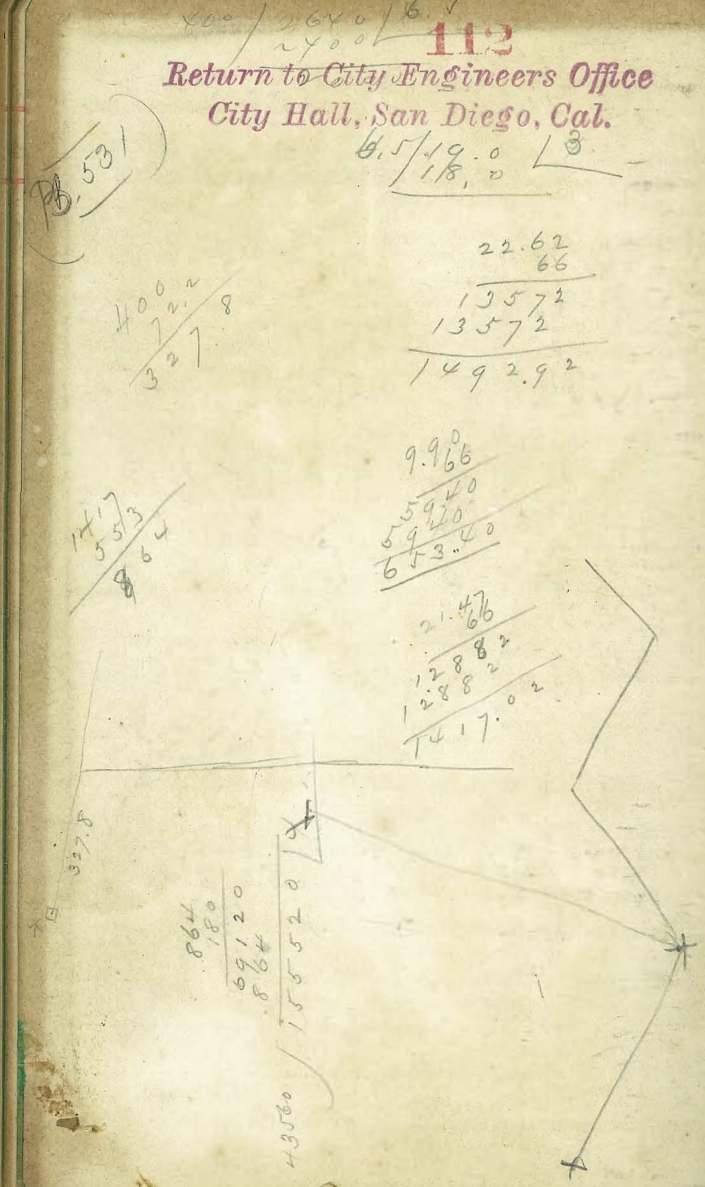


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Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

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