New
#2.

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

F.B. 2 NEW

TRANSIT

398

TROSS ST.	FIR TO UPAS
NT ST.	GRAPE TO UPAS
LEW ST	IVY TO UPAS
E ST.	NUTMEG TO THORN
LE ST	OLIVE TO UPAS
CON ST.	PALM TO UPAS
DFINCH ST.	QUINCE TO UPAS
NK ST.	SPRUCE TO UPAS
S ST	SASS. TO UPAS
KDAW ST.	THORN TO UP
ON ST	W

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Materials, and Mathematical Instruments, San Francis

Table showing the difference of latitude and depart
running 80 chains at any course from 1 to 60 minu

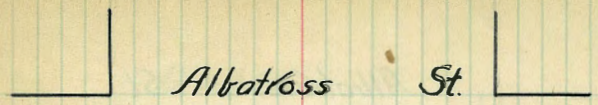
MICROFILMED
DEC 1 1964

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS
1	2⅓	21	49	41	95
2	4⅔	22	51⅓	42	
3	7	23	53⅔	43	
4	9⅓	24	56	44	
5	11⅔	25	58⅓	45	
6	14	26	60⅔	46	10
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	130⅔
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

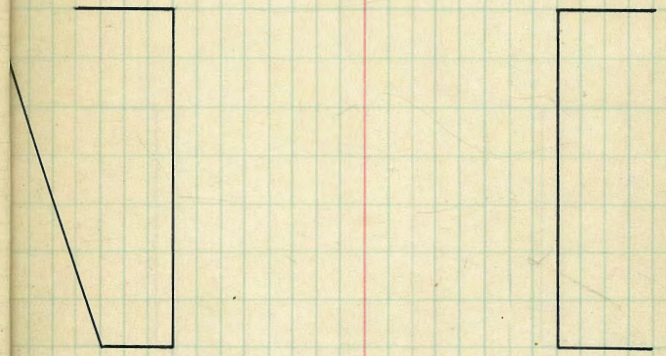
TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the se
number of links to be added to a chain on the slopes, to ma
chain, horizontal measurement.

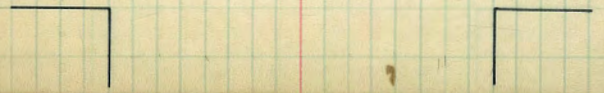
ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13
8	0.98	15	3.53	22	7.85	29	14
9	1.24	16	4.02	23	8.64	30	15
10	1.55	17	4.56	24	9.47	35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



Grape St.

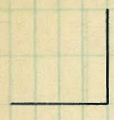


Fir St.

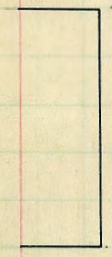


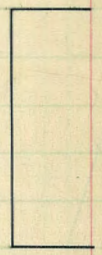
Albatross St.

Albatross St.

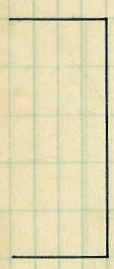


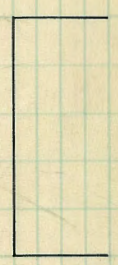
Hawthorn St.



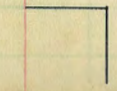


Juniper St.



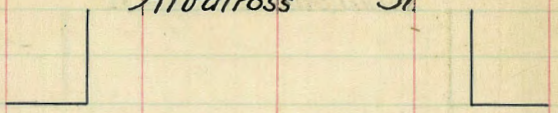


Grape St.

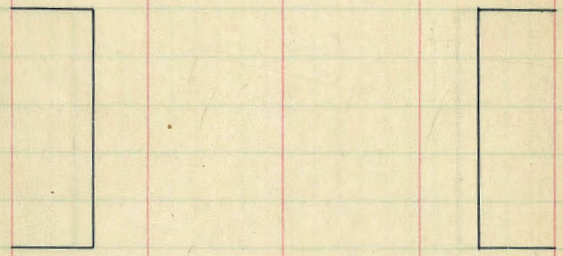


Ivy St.

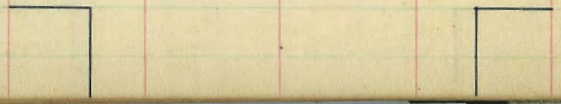
Albatross St.



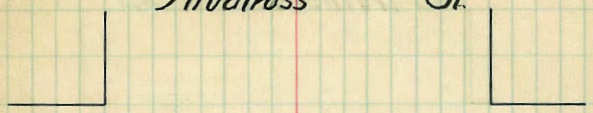
Laurel St.



Kalmia St.

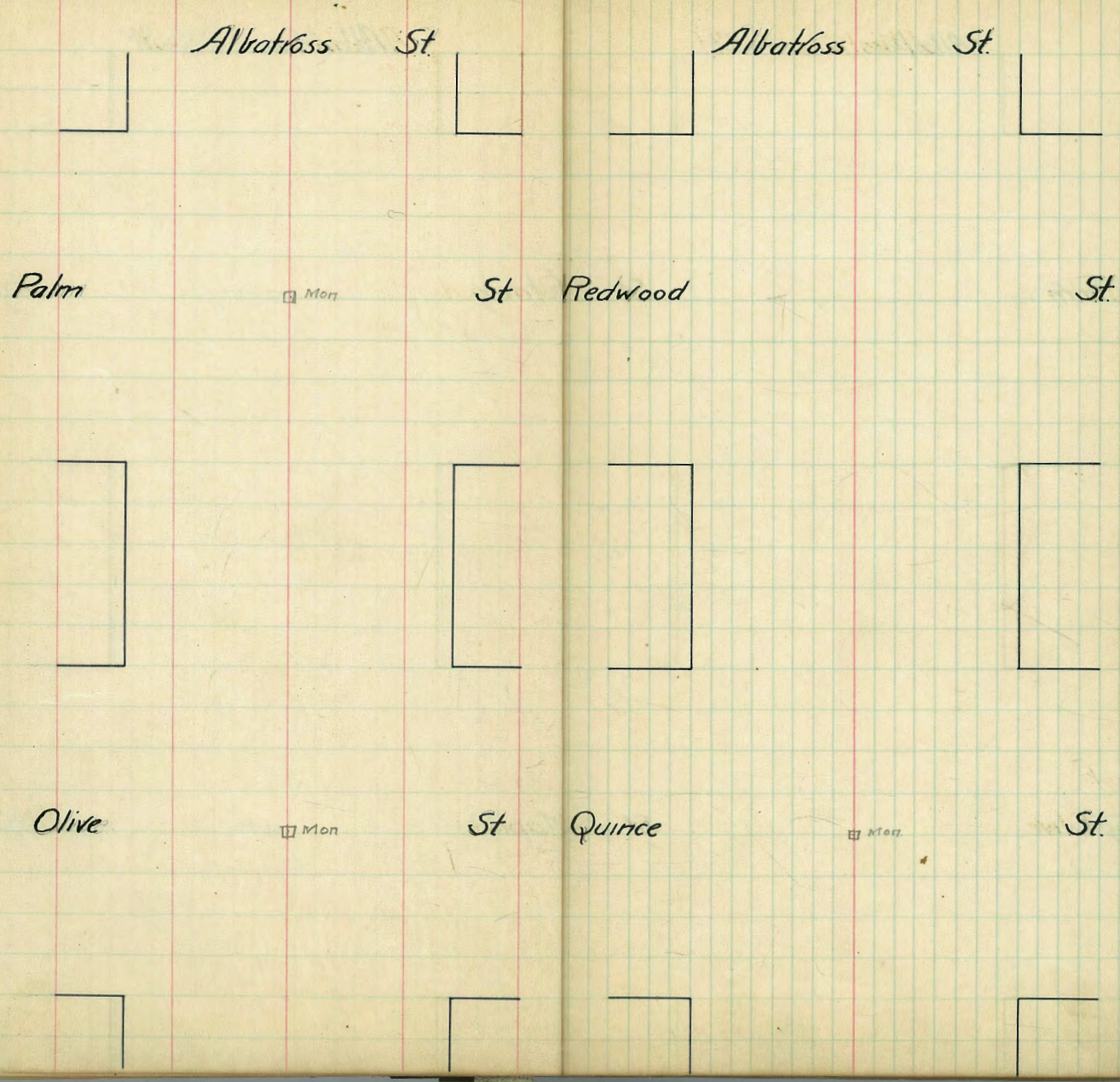


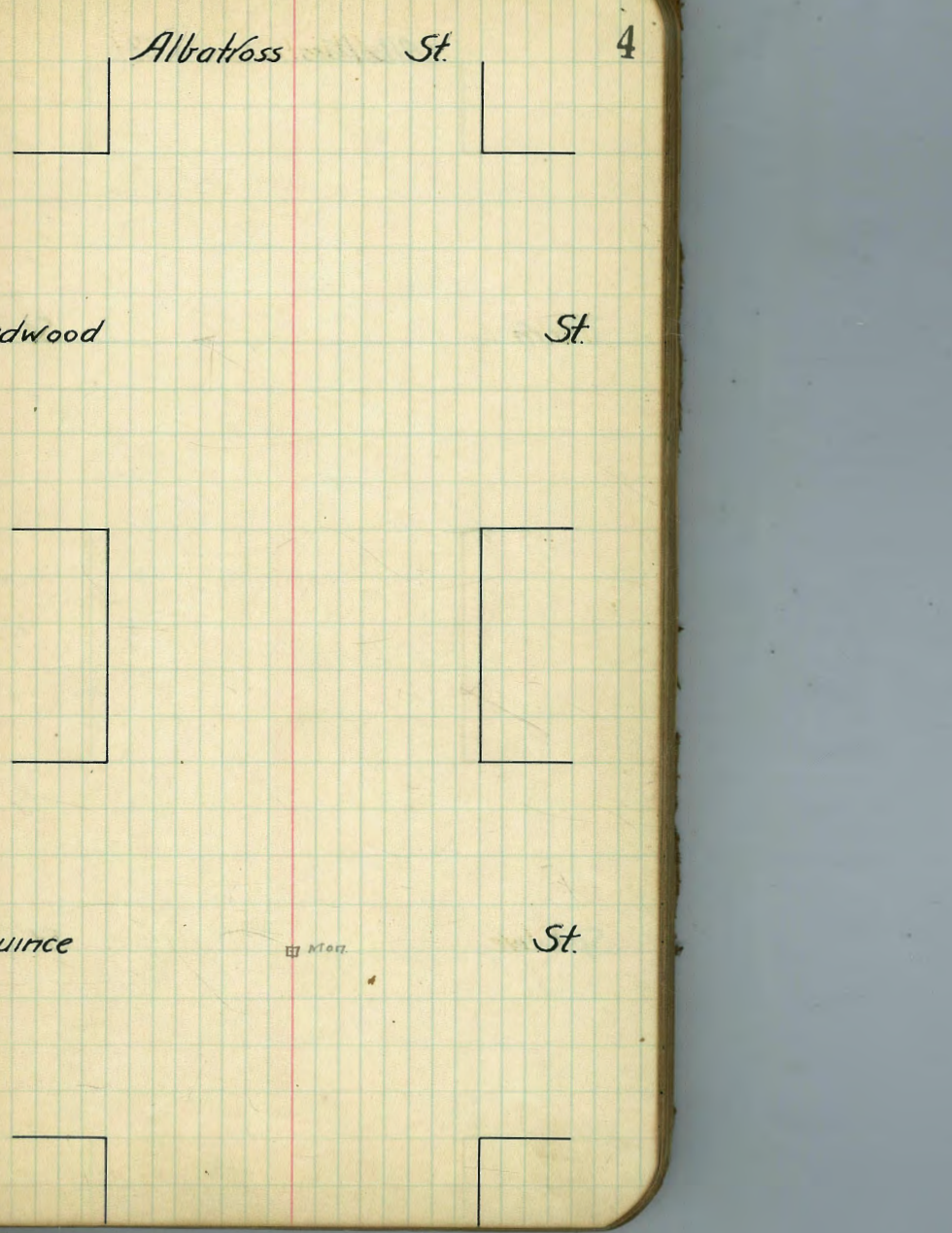
Albatross St.



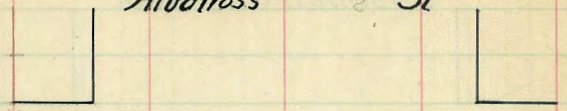
Vutmeg Mon St.

Maple Mon St.

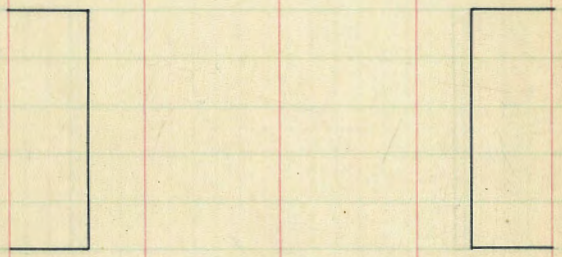

Albatross St.
Palm
Mon
St
Olive
Mon
St


Albatross St.
Redwood
St.
Quince
Mon
St.

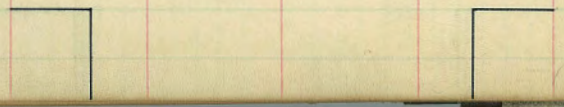
Albatross St



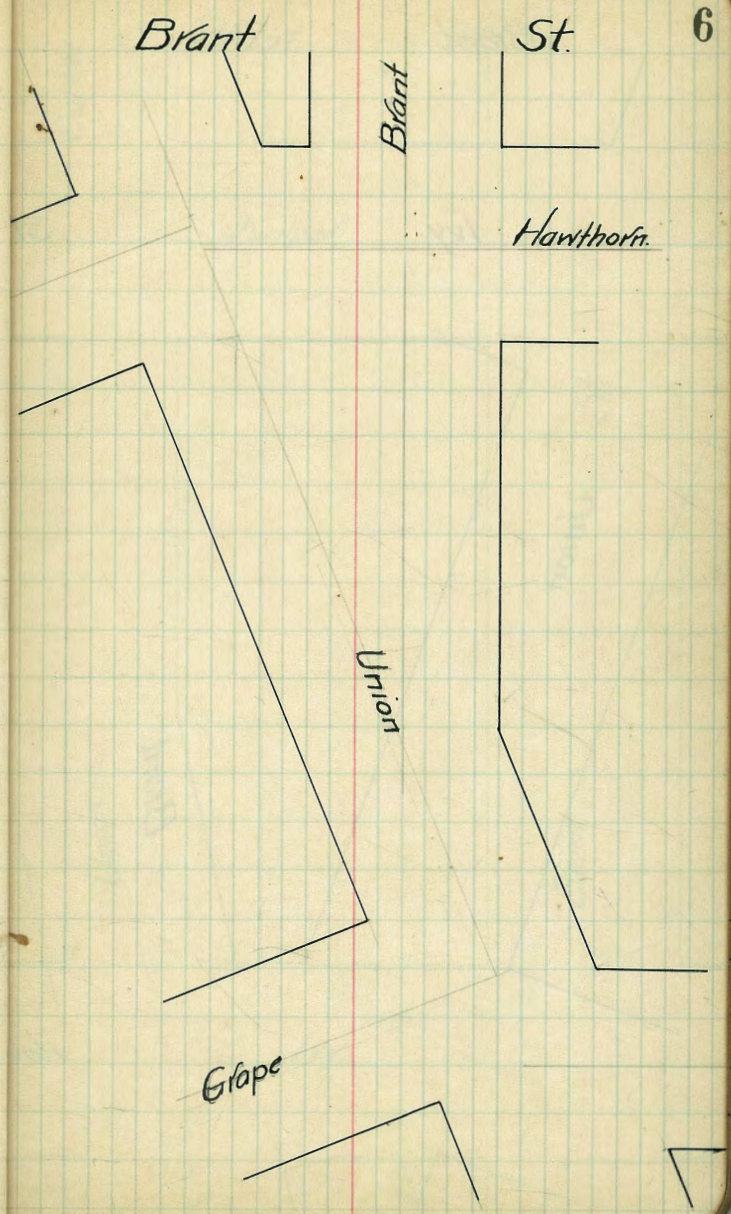
Thorn St.



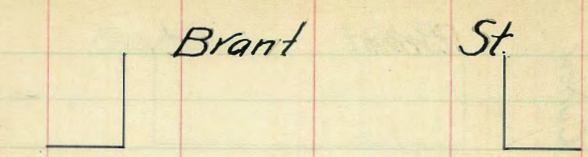
Spruce St

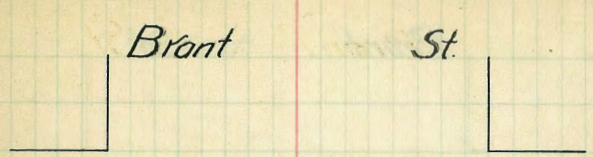


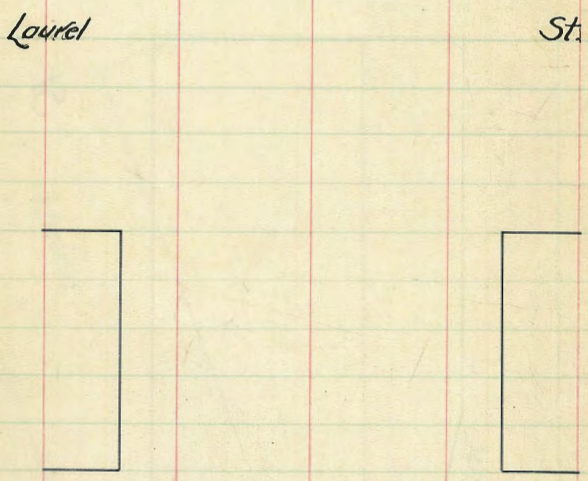
Ipos St.

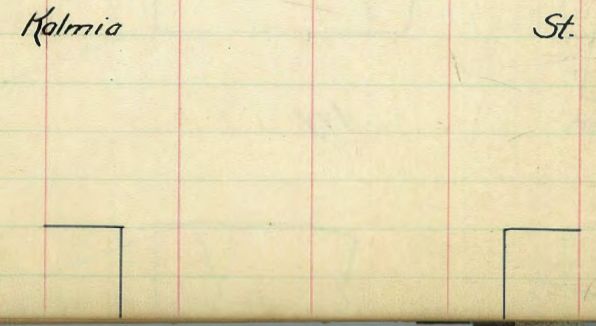

Brant
St.
Brant
Hawthorn
Union
Grape

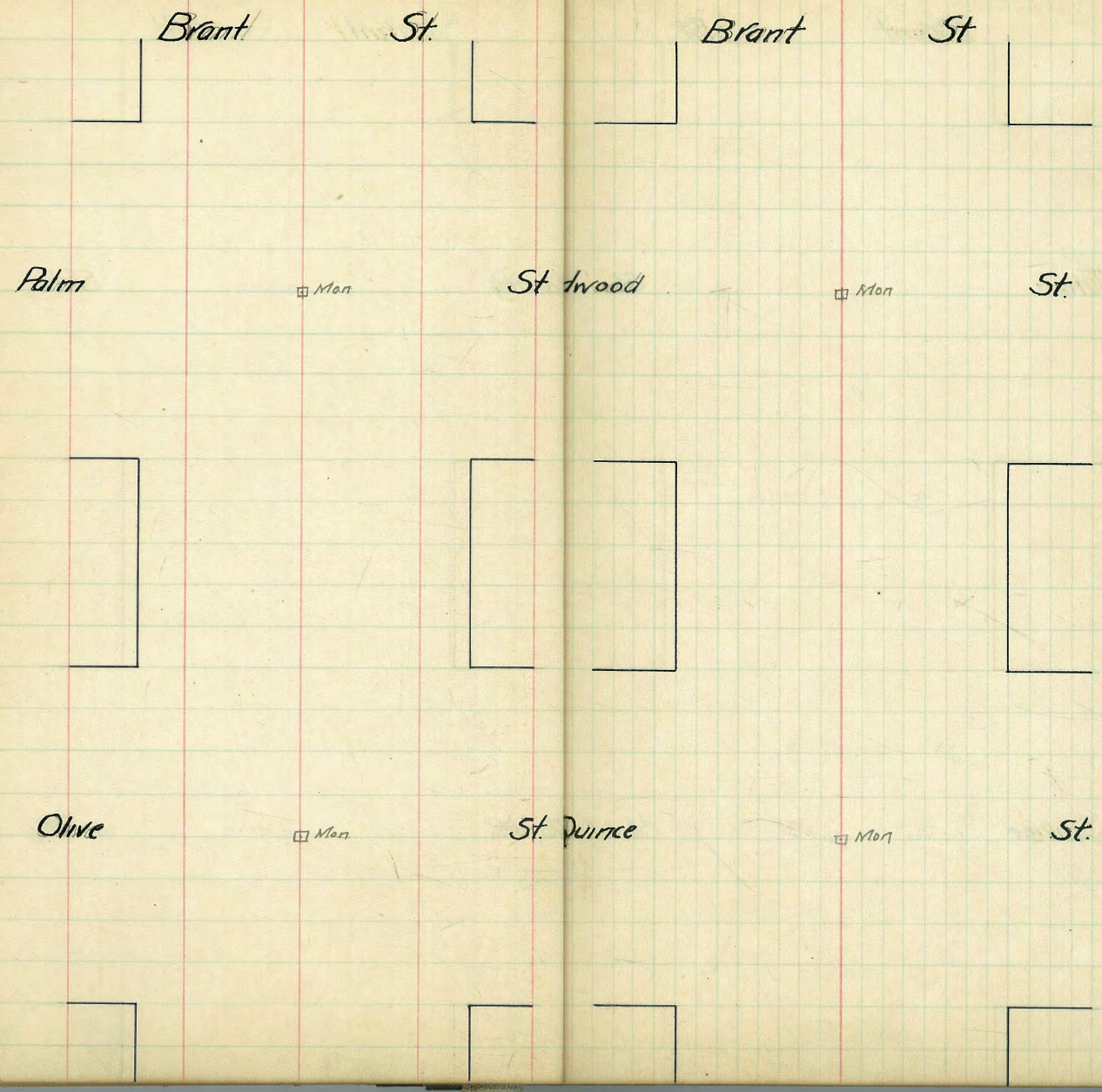
Brant
St.
Ivy
Union
Brant
Curlew
Brant
St.
Juniper
Union
Ivy
St.
Brant

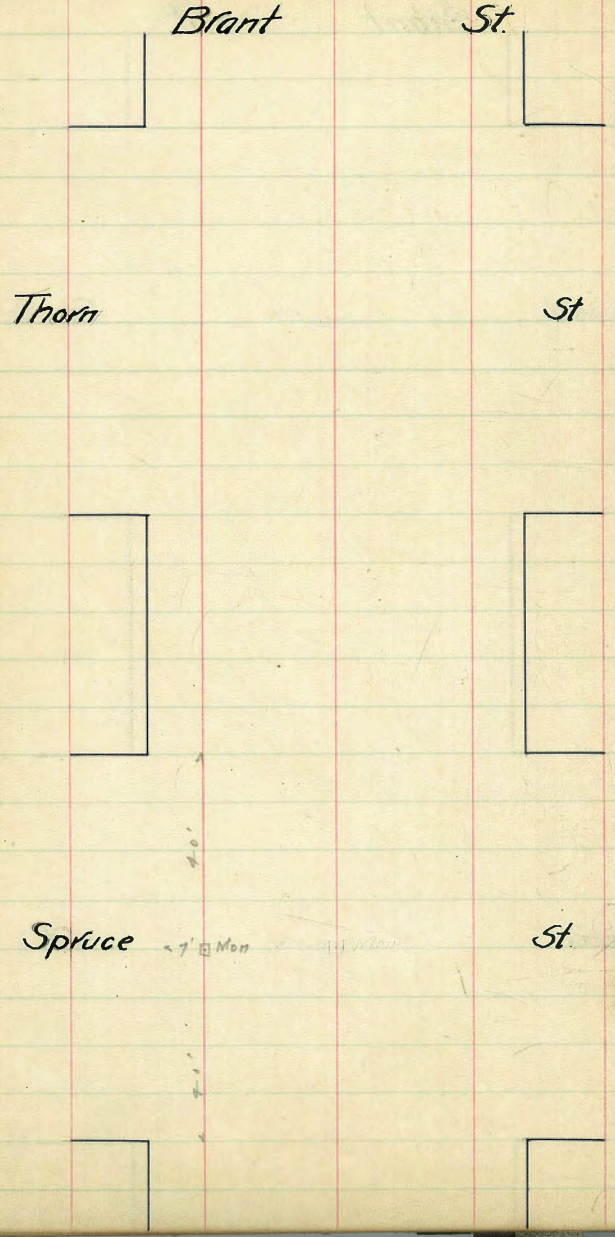

Brant
St.

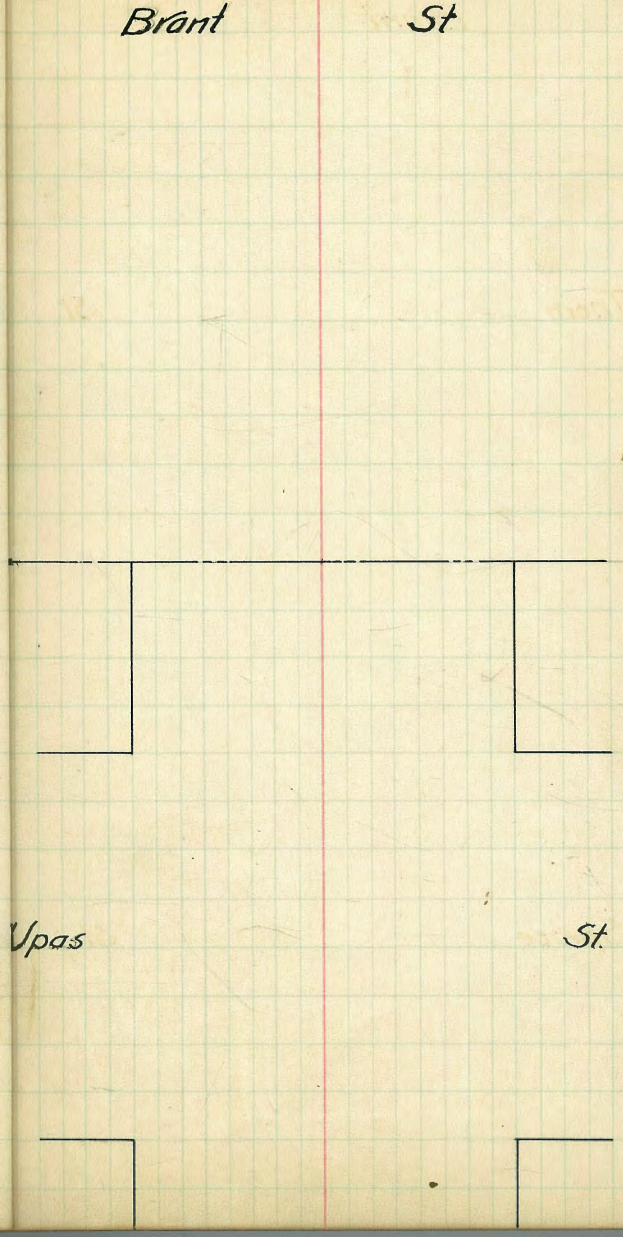

Brant
St.

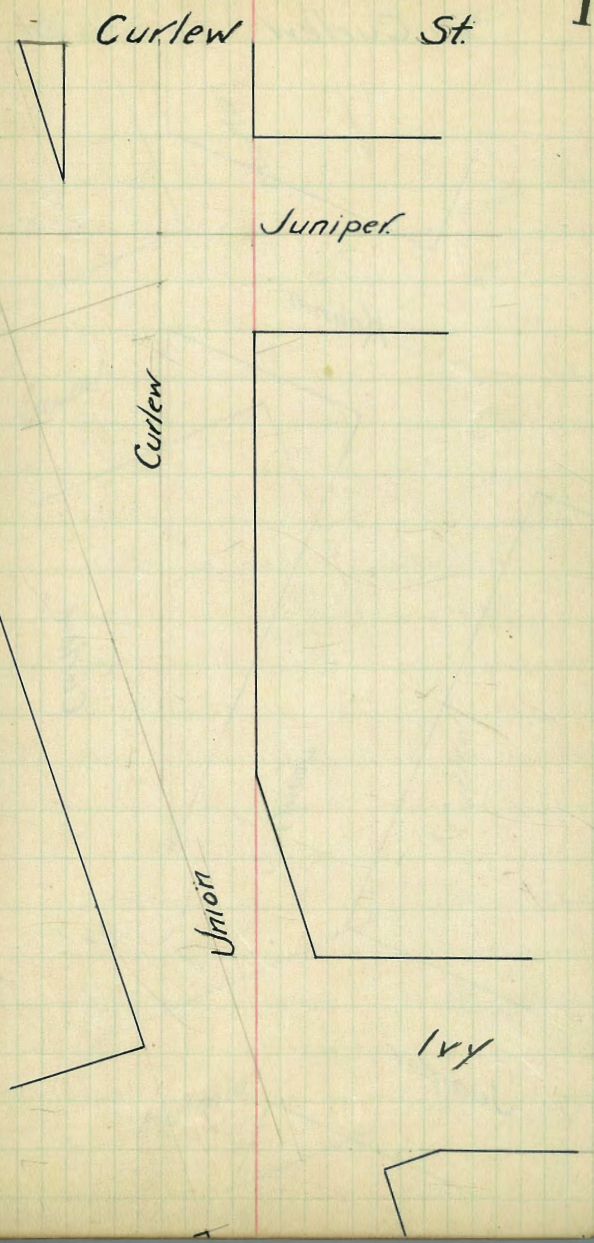

Laurel
St.
Nutmeg
Mon
St.

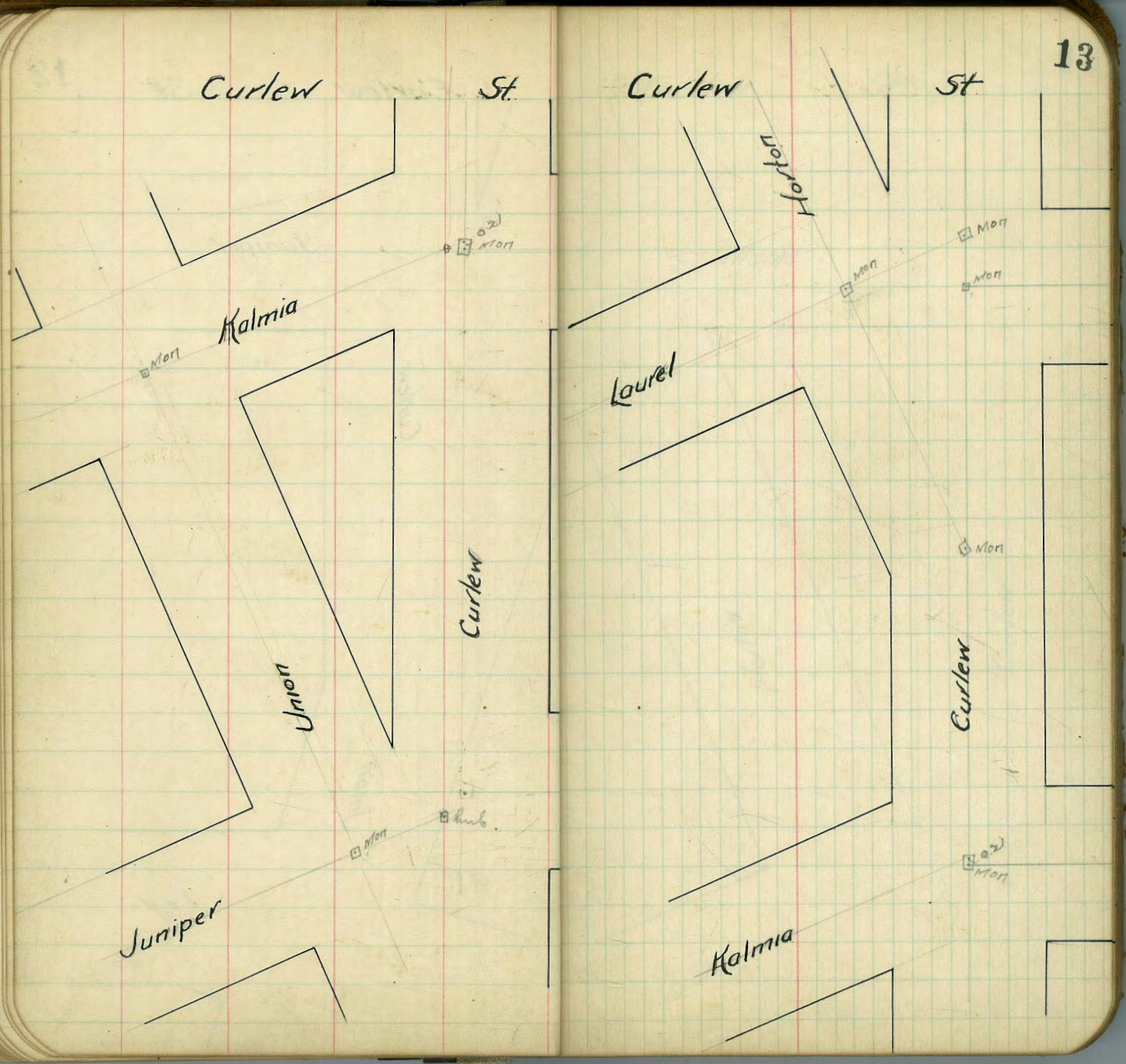

Kalmia
St.
Maple
Mon
St.

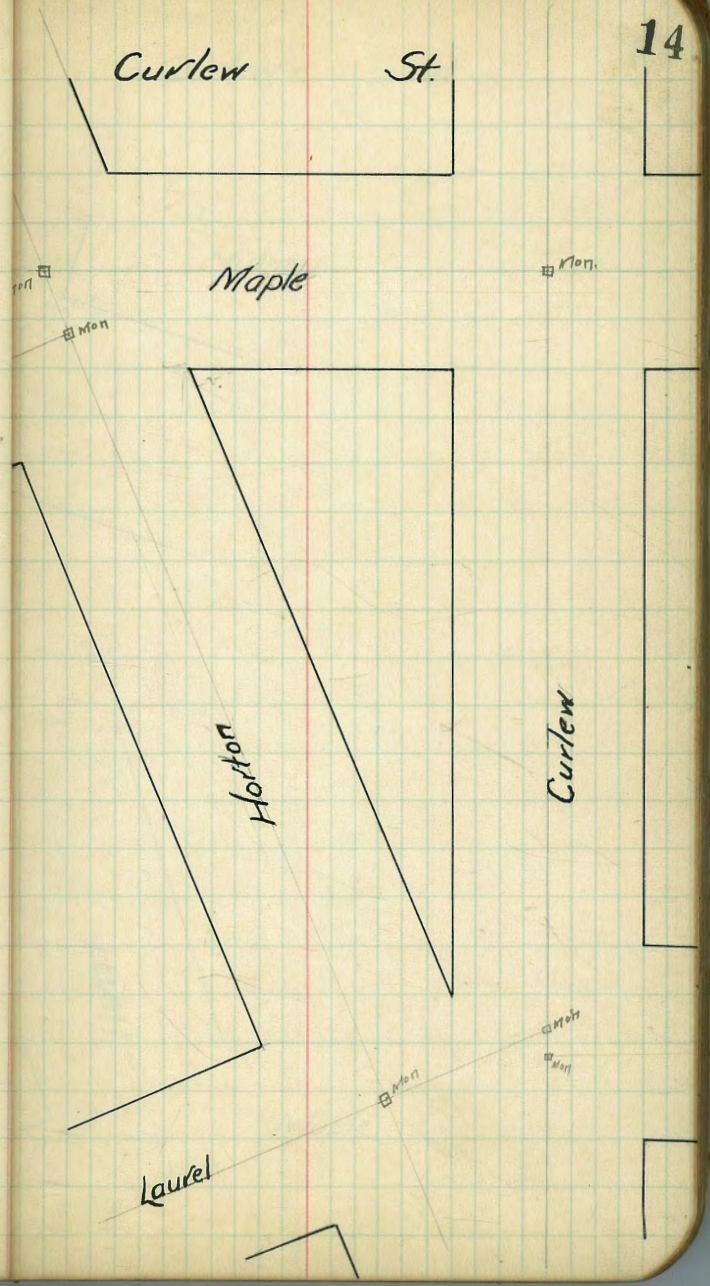

Brant St.
Brant St
Palm
Mon
St
Inwood
Mon
St.
Olive
Mon
St.
Quince
Mon
St.

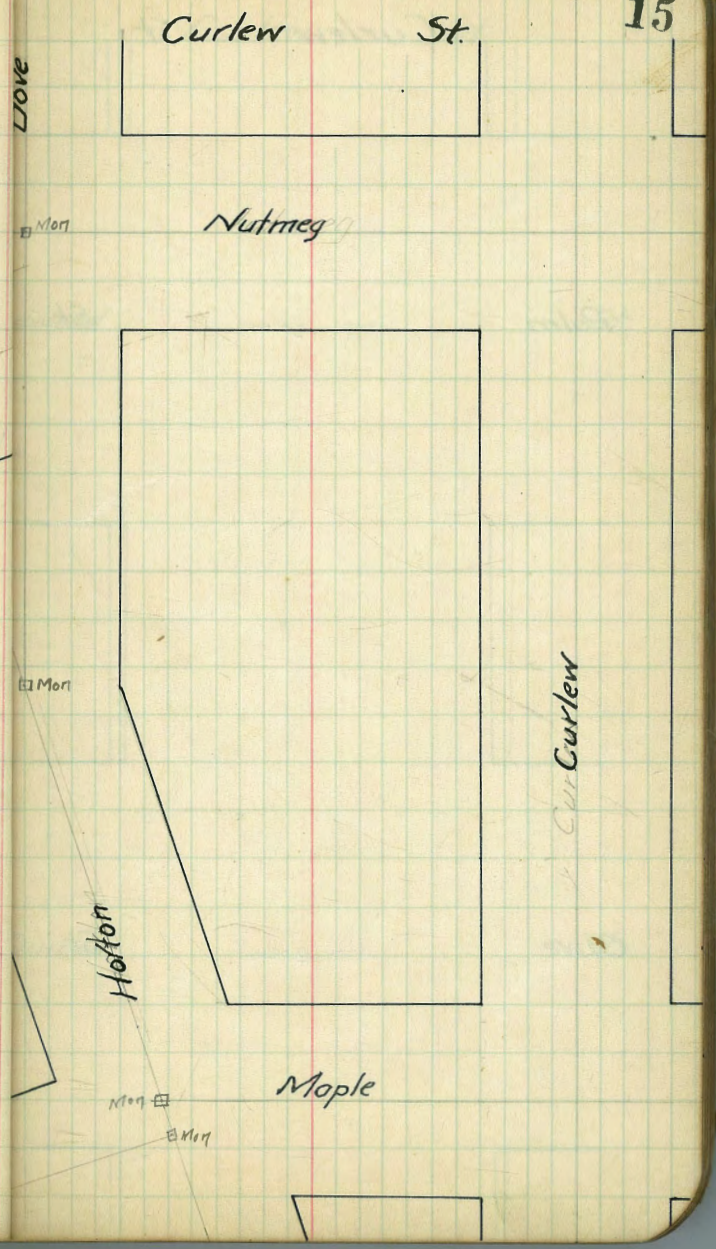

Brant St.
Thorn St
Spruce St.

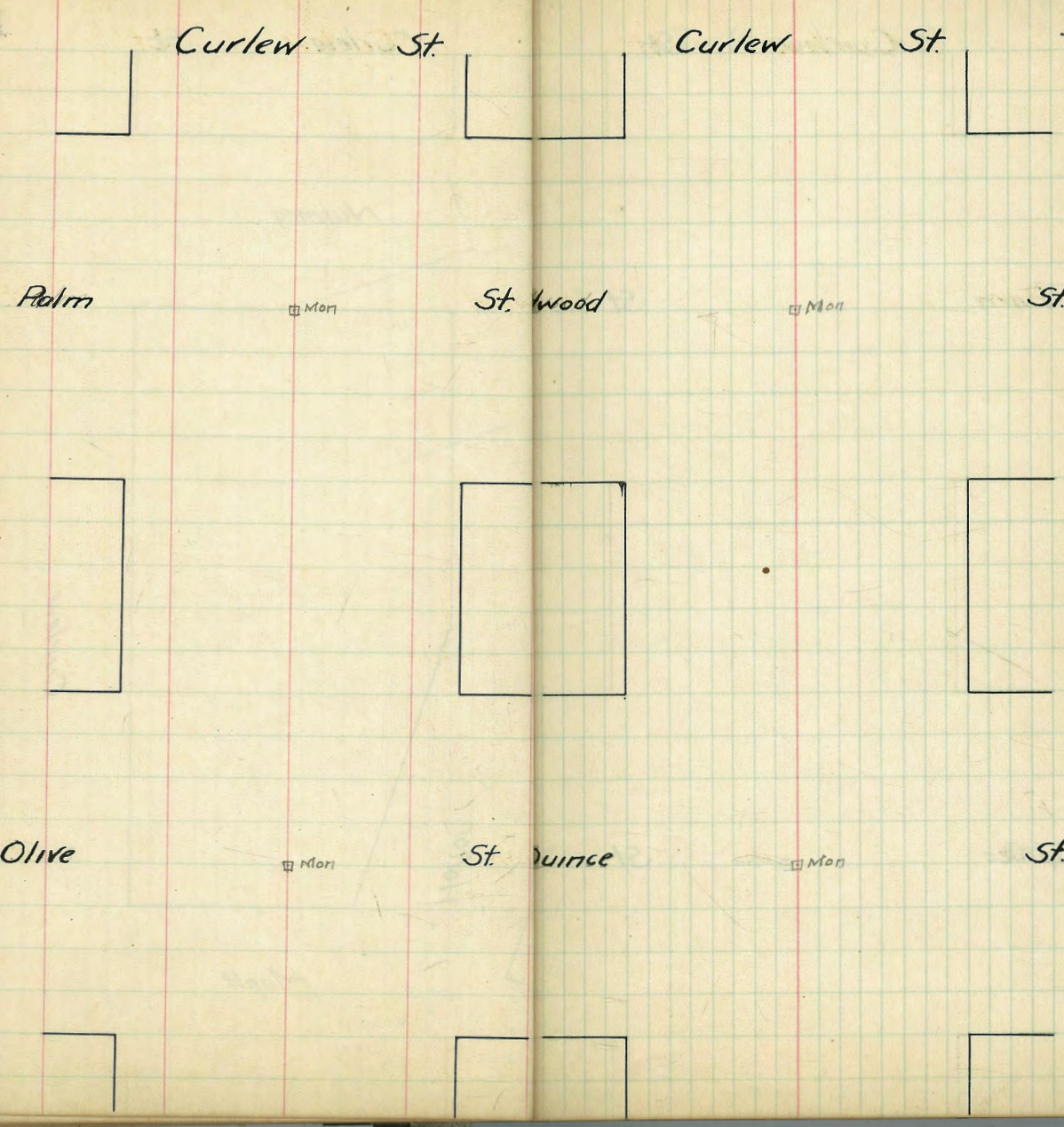

Brant St
Upas St.

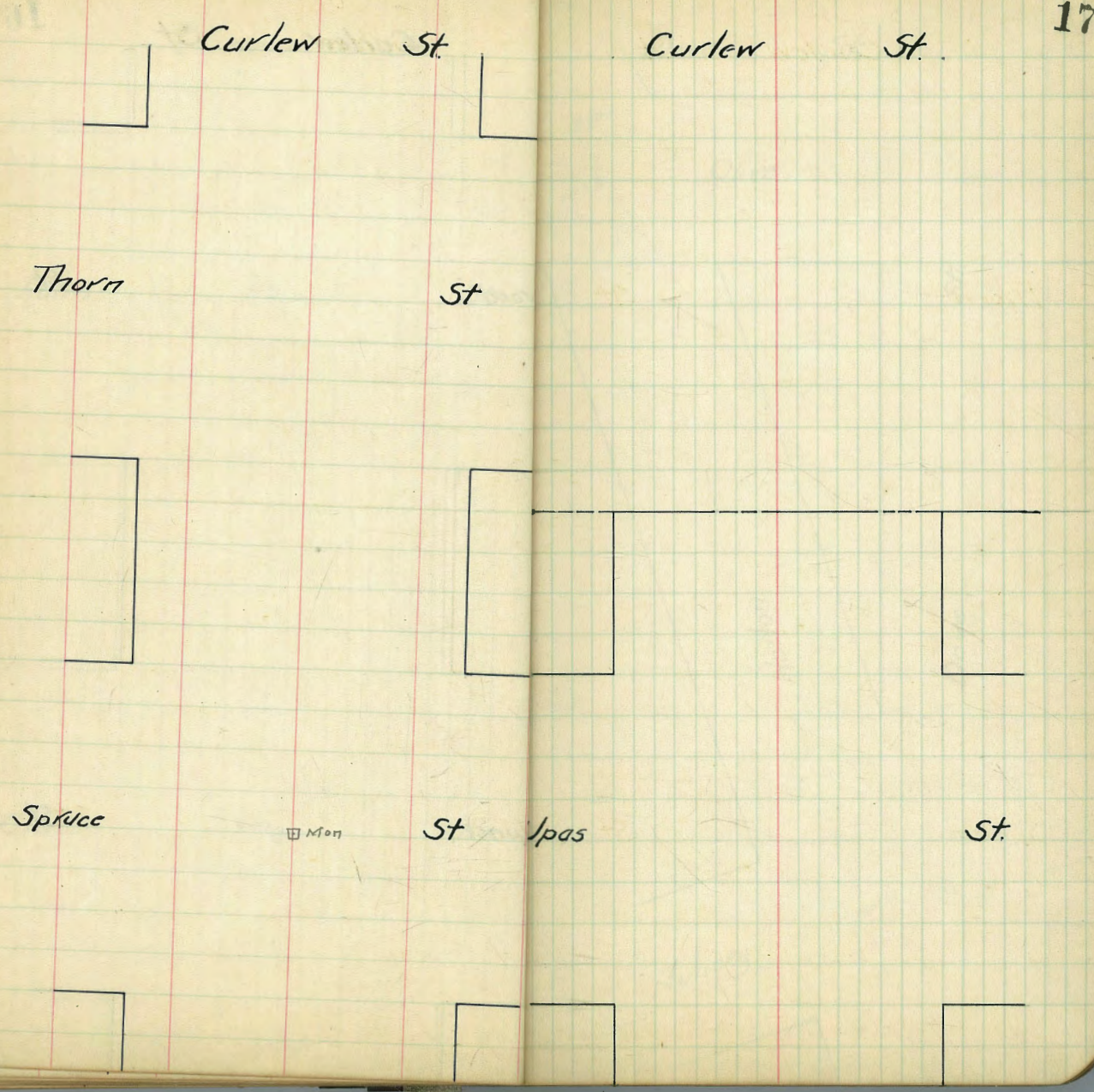

Curlew St.
Juniper
Curlew
Union
Ivy

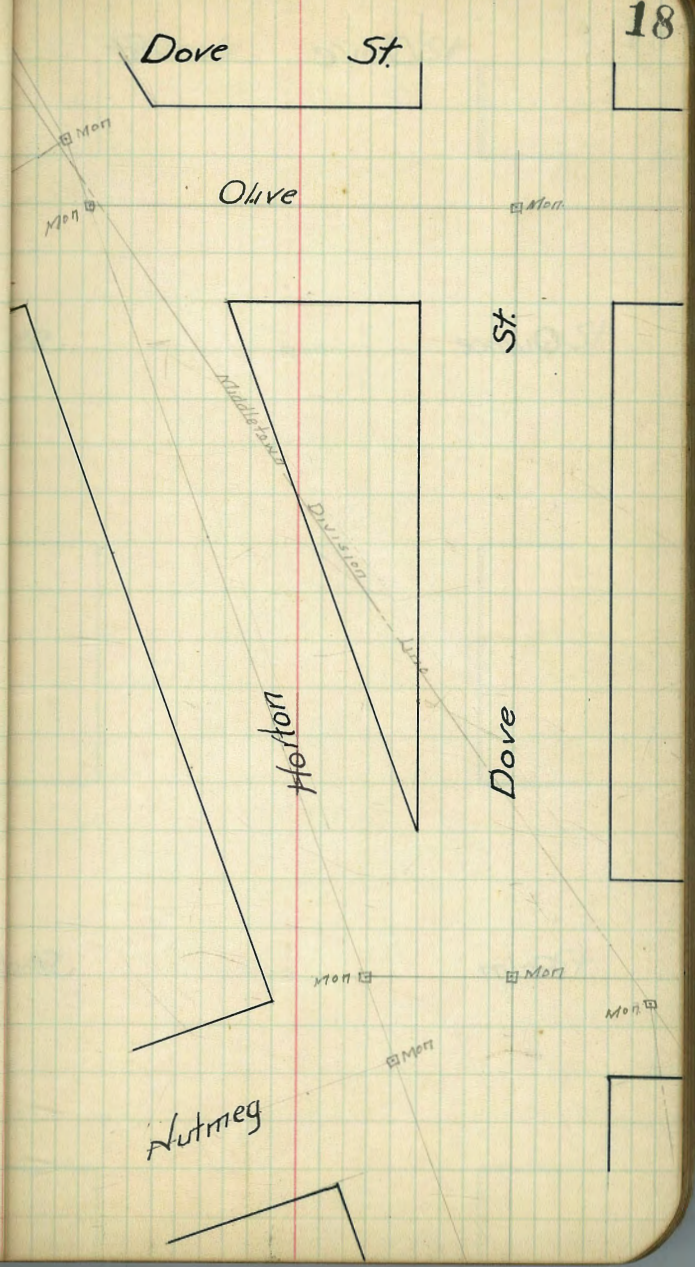

Curlew
St.
Kalmia
Union
Curlew
Juniper
Curlew
St
Horton
Laurel
Curlew
Kalmia

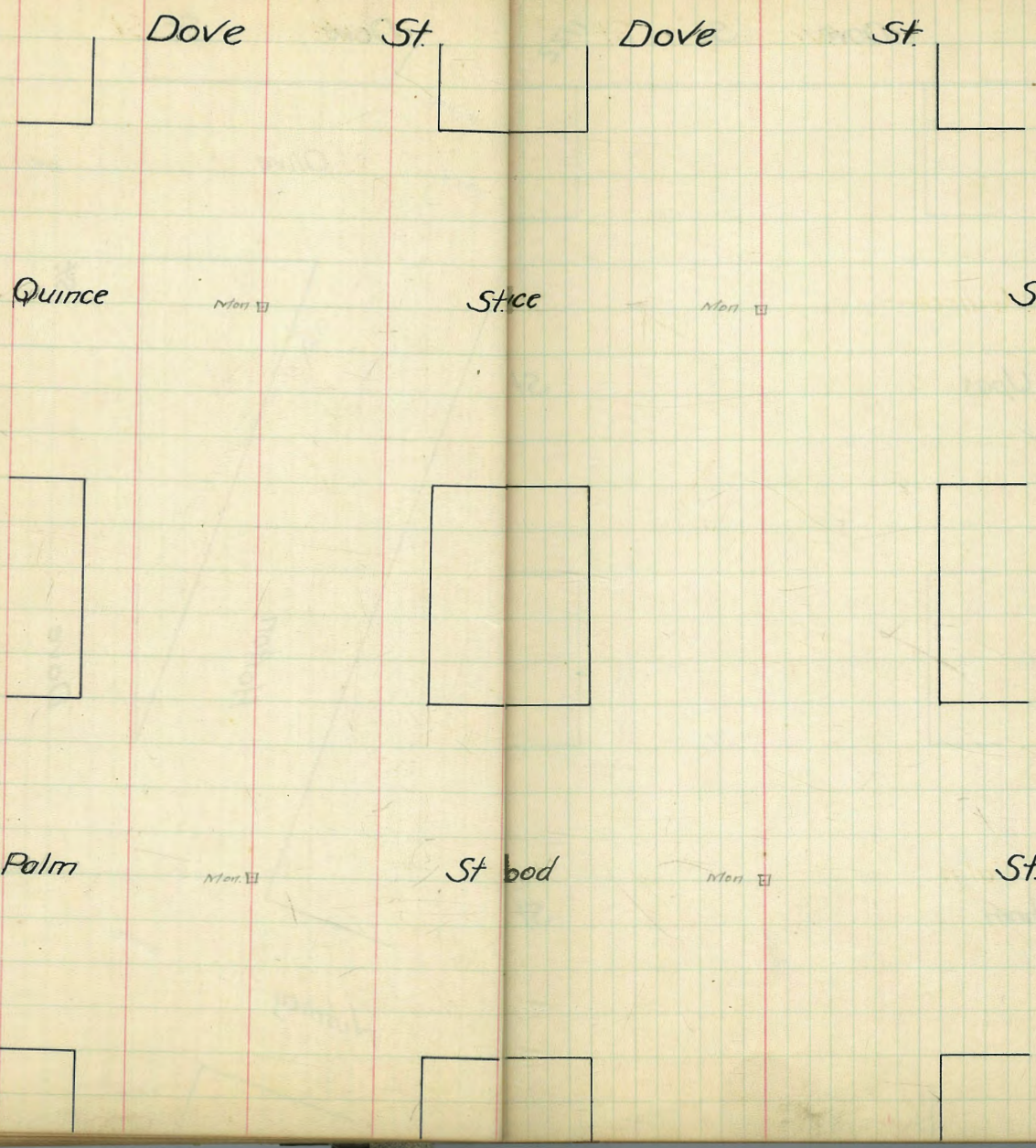

Curlew St.
Maple
Mon.
Horton
Curlew
Laurel

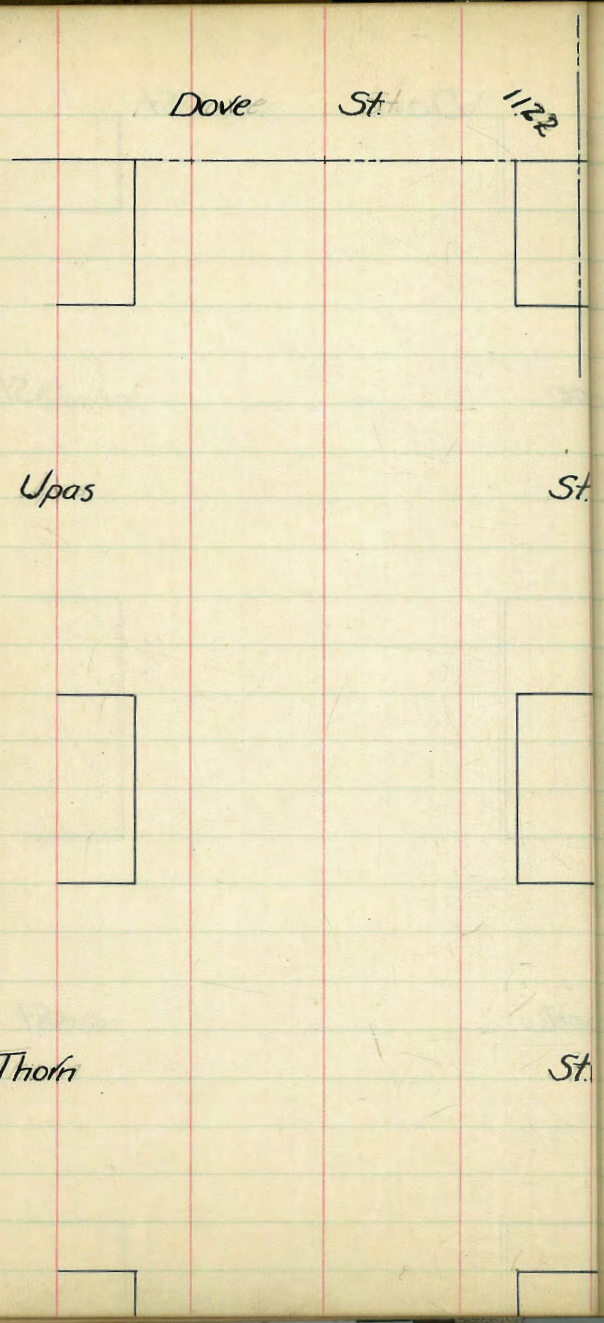

Curlew St.
Dove
Nutmeg
Curlew
Hatton
Maple

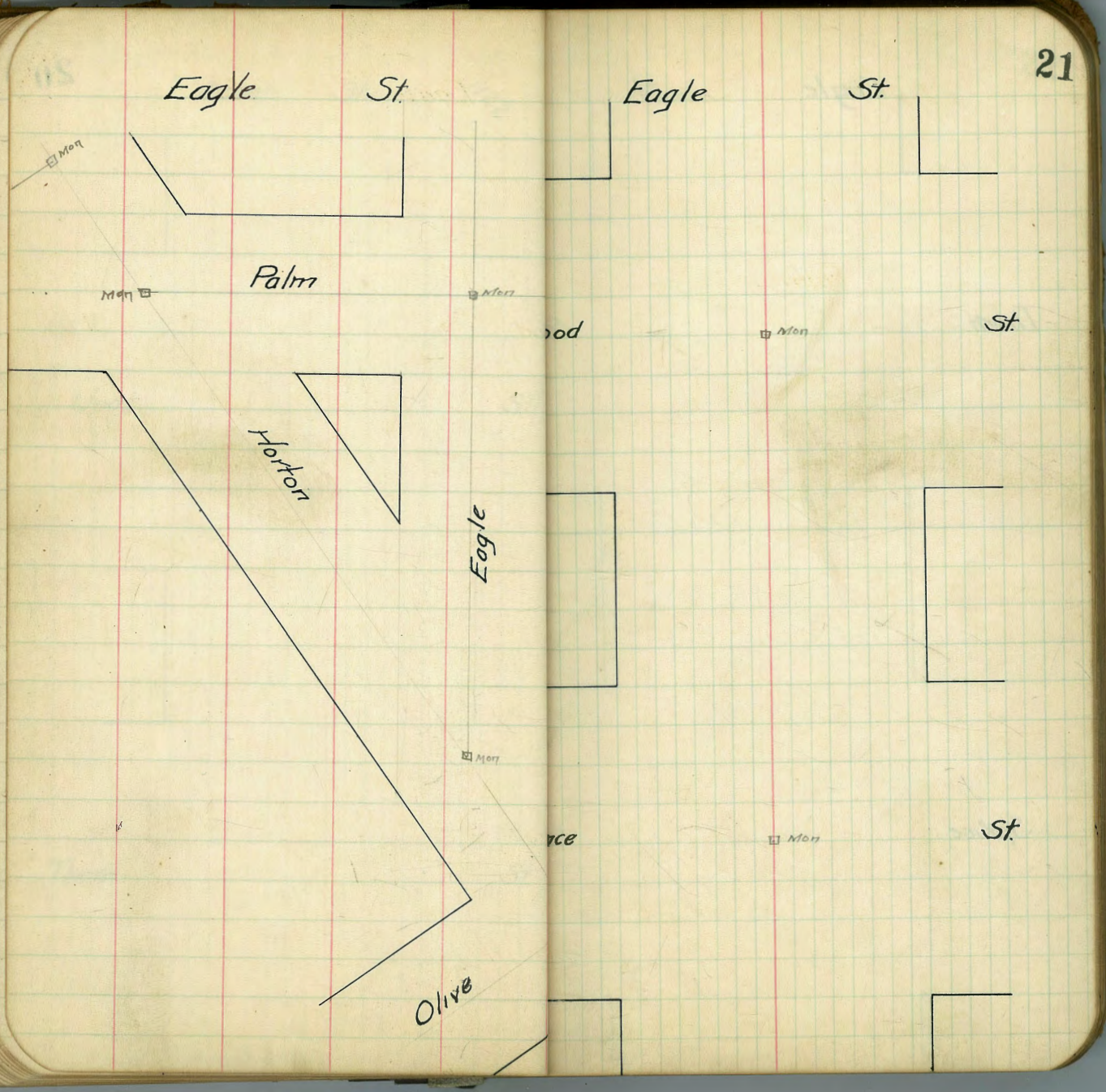

Curlew St.
Curlew St.
Palm
Mon
St.
Mon
St.
Olive
Mon
St.
Mon
St.

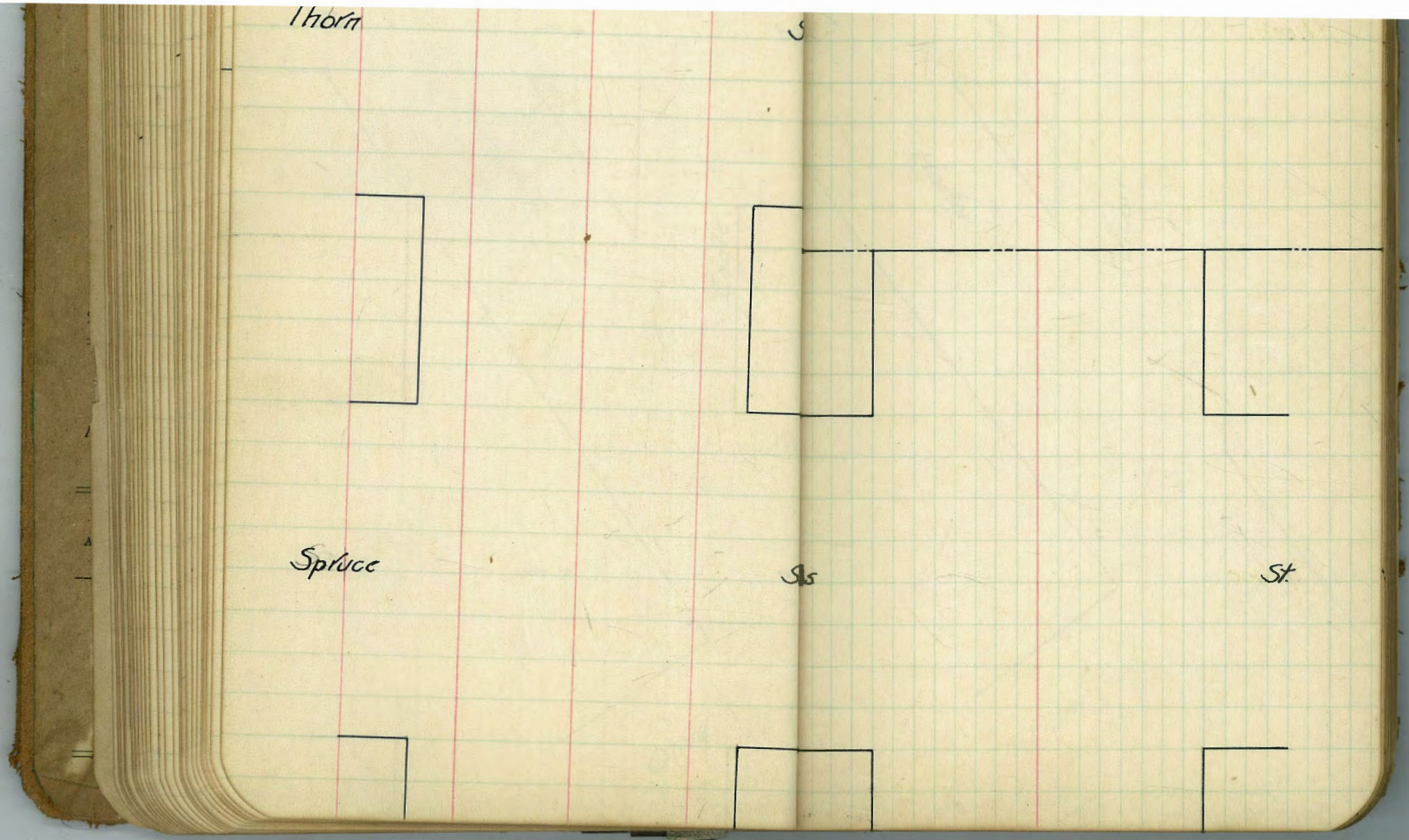

Curlew St.
Thorn St
Spruce St
Mon
Curlew St.
Upas St.

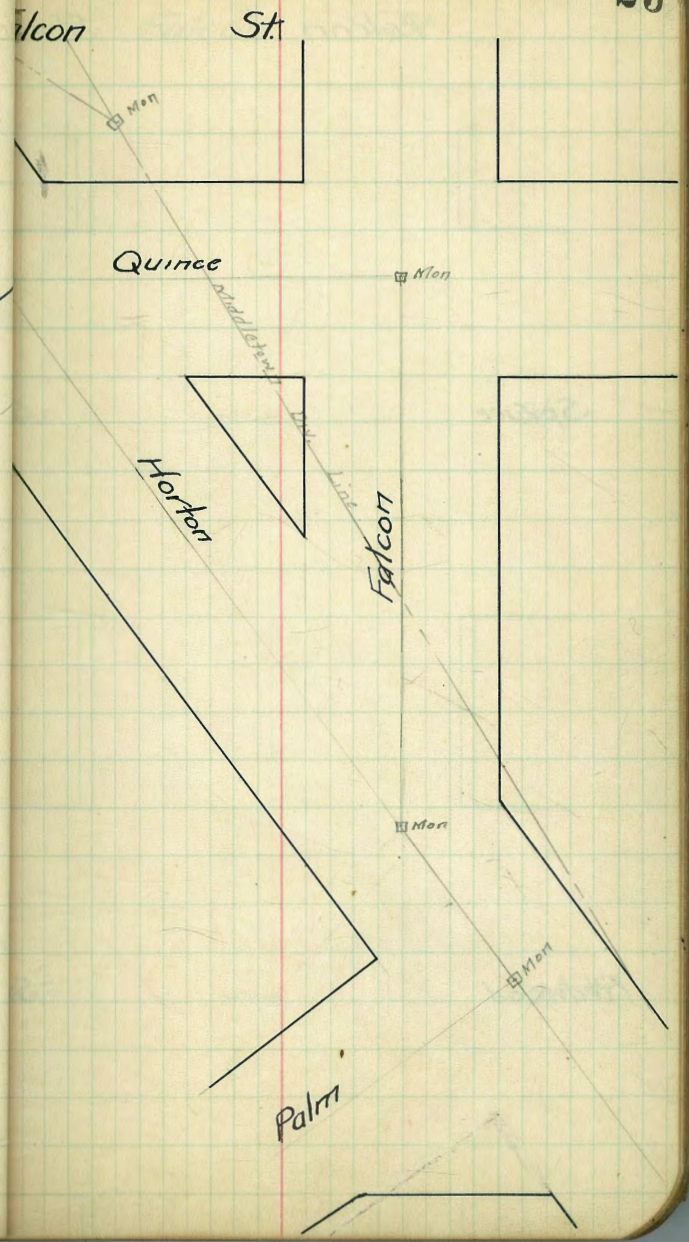

Dove St.
Mon
Olive
Mon
Mon
St.
Middletown Division Line
Horton
Dove
Mon
Mon
Mon
Mon
Nutmeg

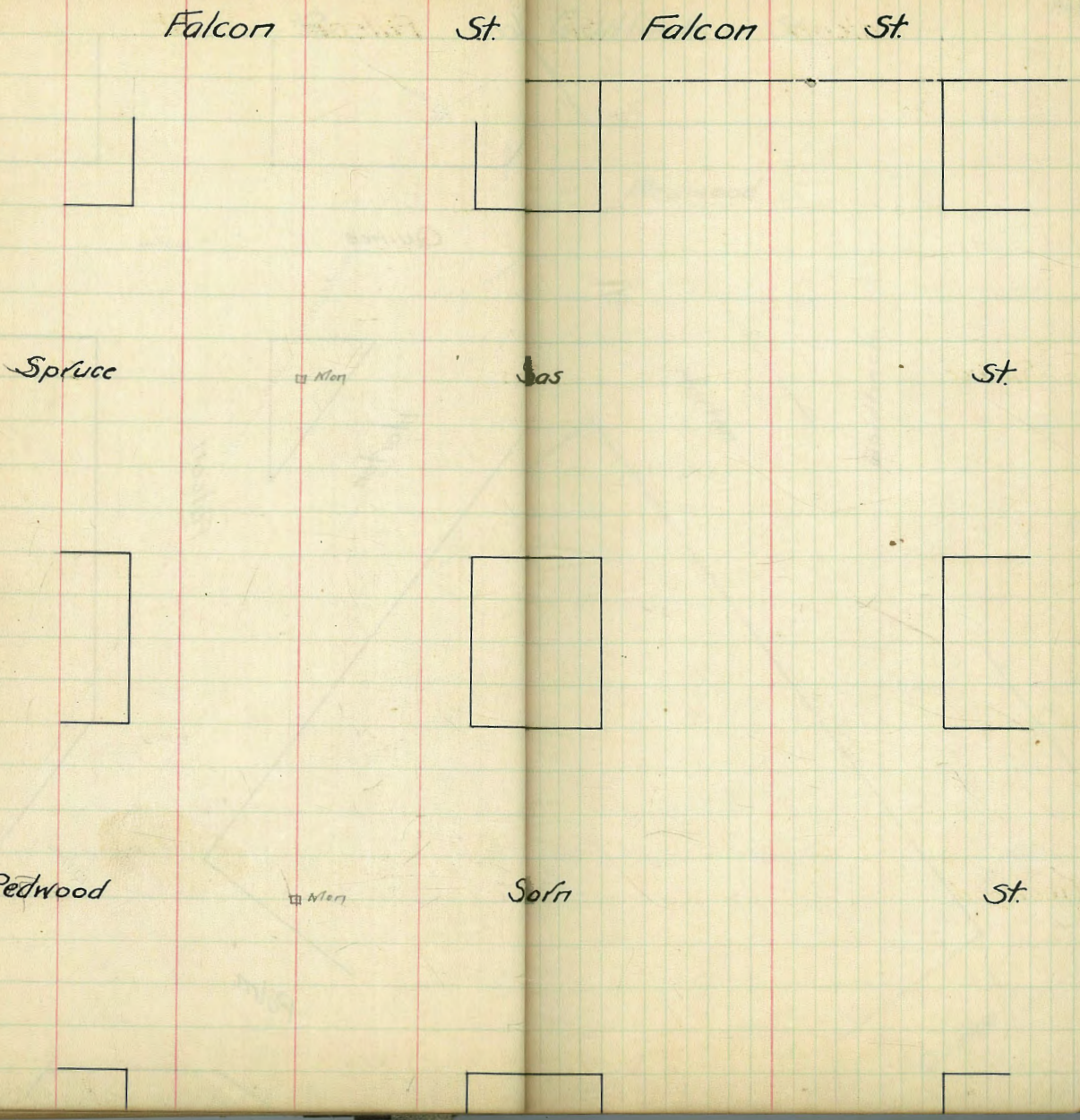

Dove St.
Dove St.
Quince
Stice
St.
Palm
St
ood
St.

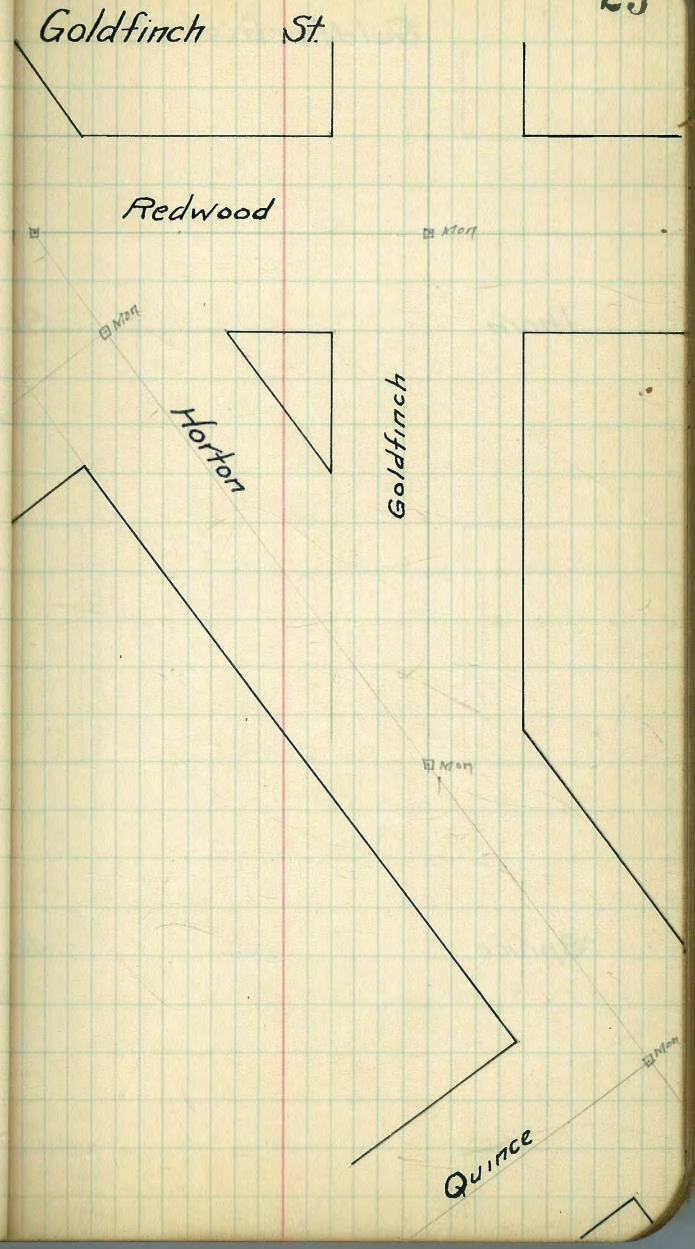

Dove St.
1122
Upas St.
Thorn St.

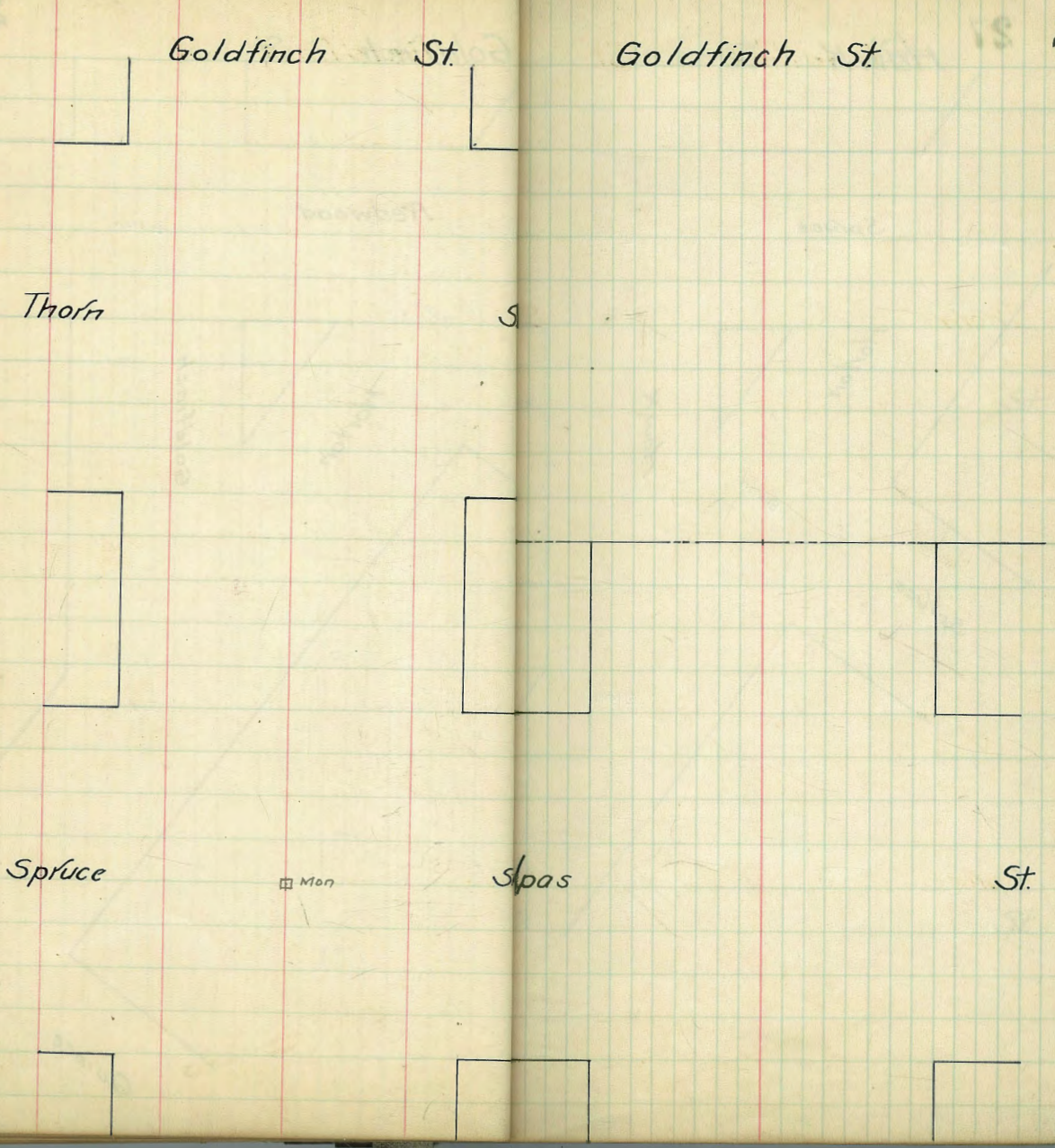

Eagle
St.
Mon
Palm
Horton
Eagle
Olive
Eagle
St.
Mon
St.
Mon
St.

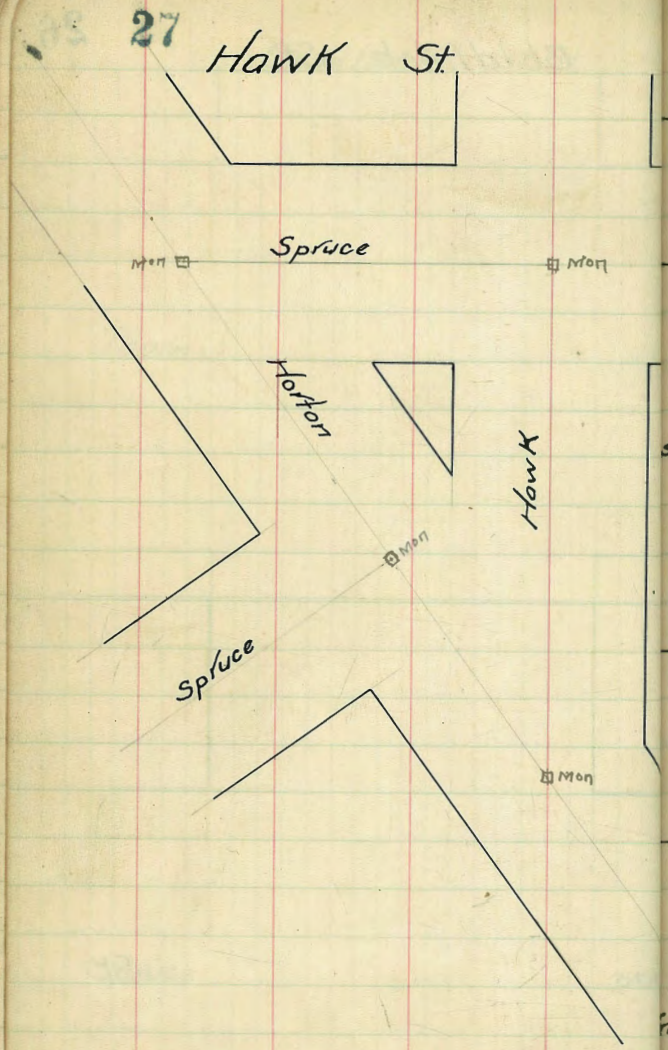

Thorn
Spruce
St.

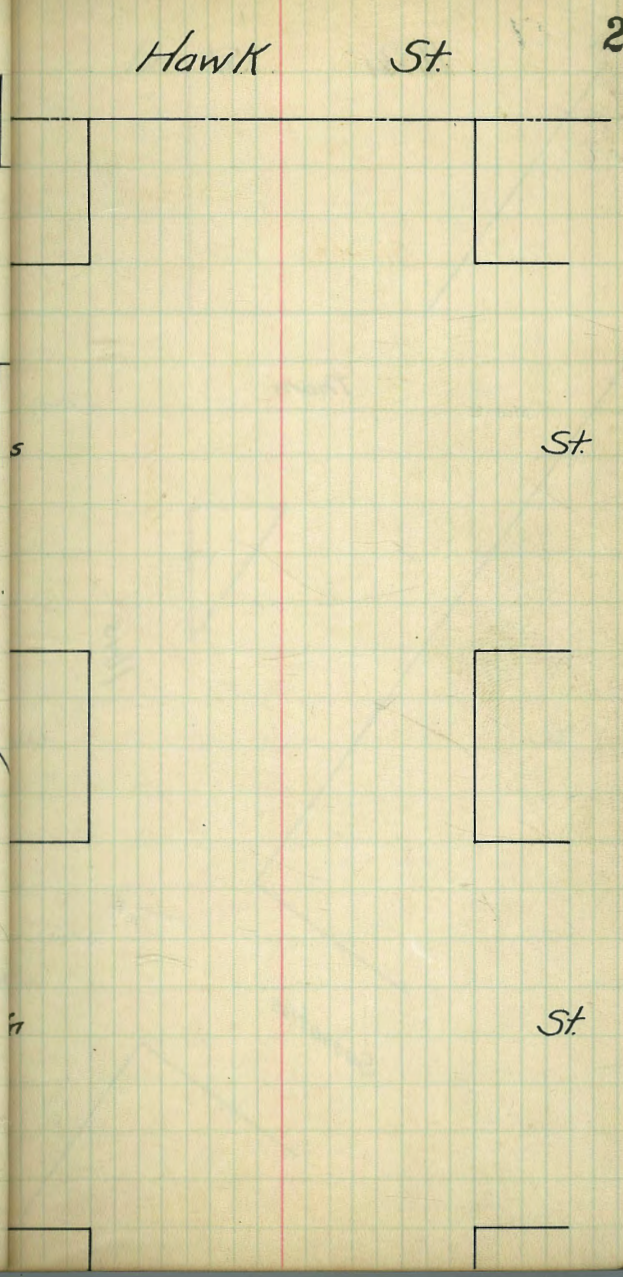

Falcon St.
Mon
Quince
Mon
Middletown Dist. Line
Horton
Falcon
Mon
Mon
Palm

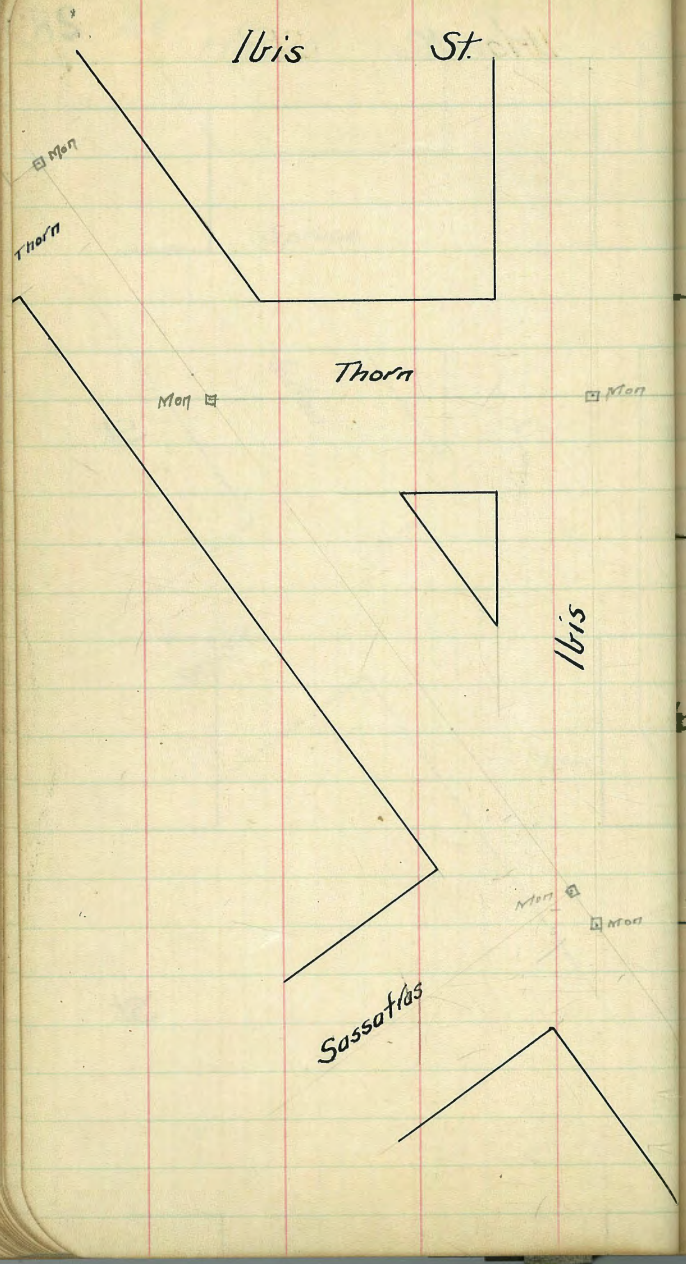

Falcon St.
Falcon St.
Spruce
Mon
Jas
St.
Redwood
Mon
Sorn
St.

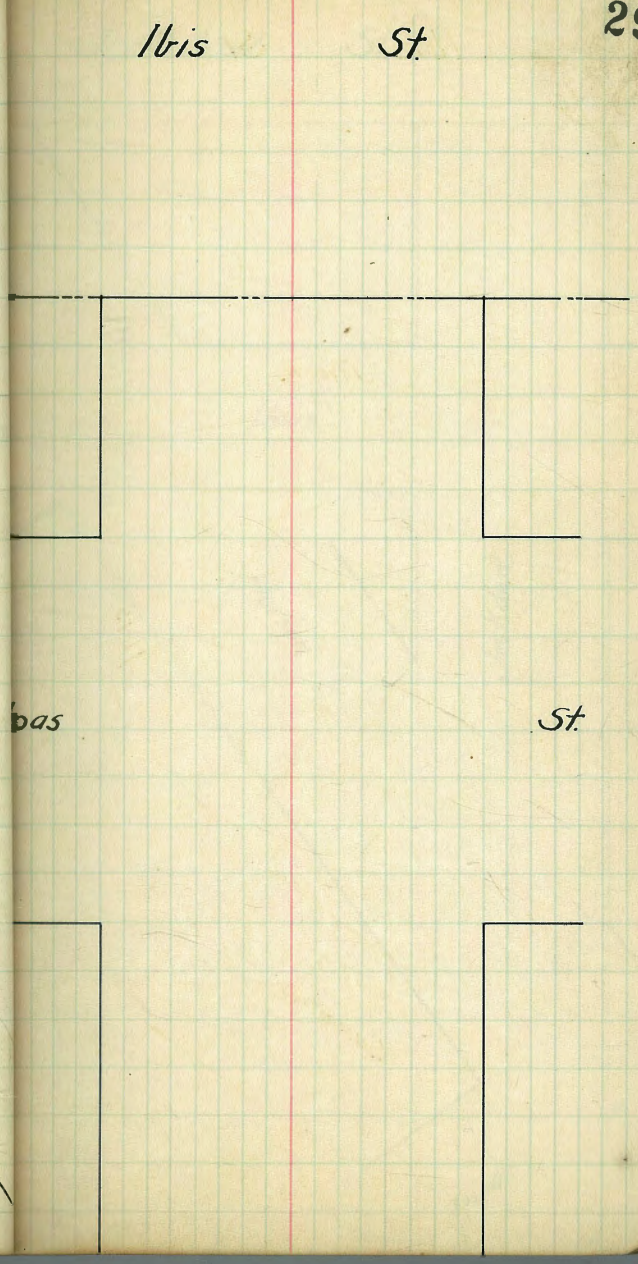

Goldfinch St.
Redwood
Mon
Mon
Horton
Goldfinch
Mon
Mon
Quince

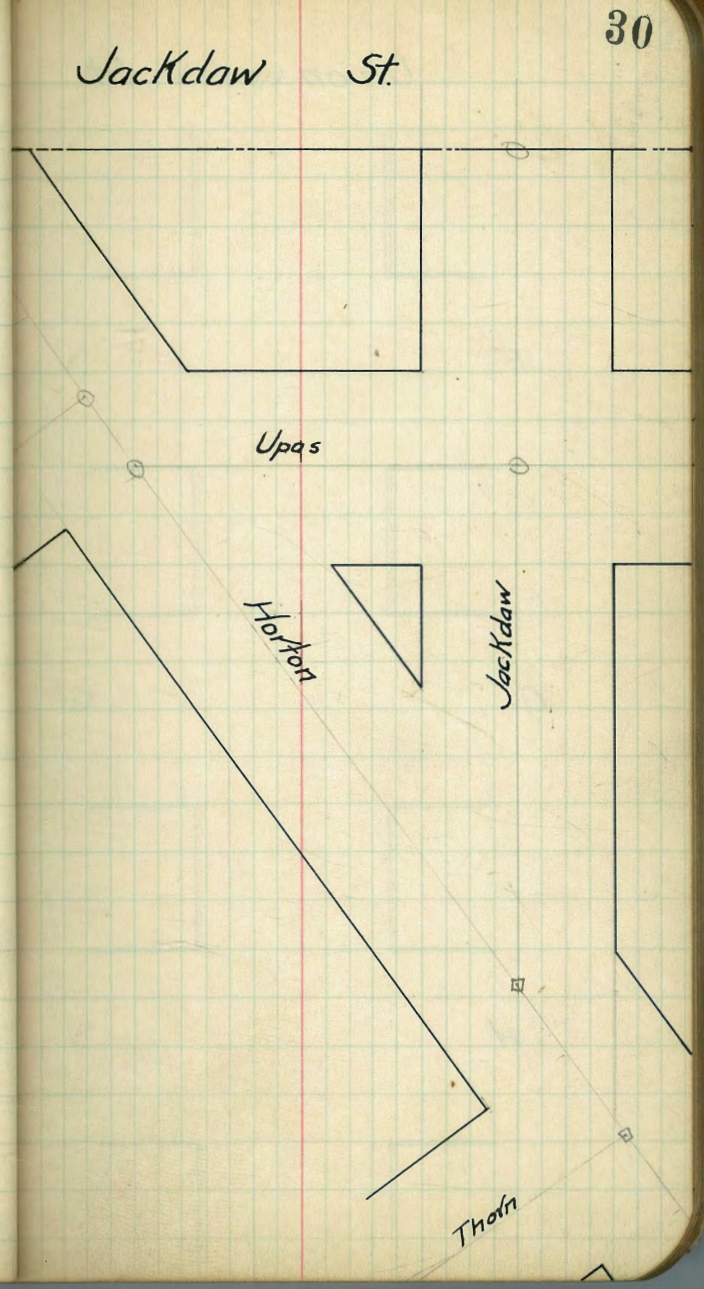

Goldfinch St.
Goldfinch St.
Thorn
Spruce
Mon
Spas
St.


Hawk St.
Spruce
Mon
Mon
Horton
Hawk
Mon
Spruce
Mon

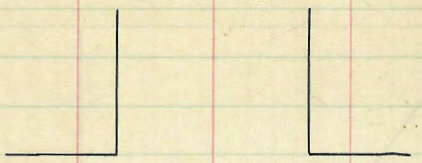

Hawk St.
St.
St.


Ibis St.
Mon
Thorn
Thorn
Mon
Mon
Ibis
Mon
Mon
Sassafras

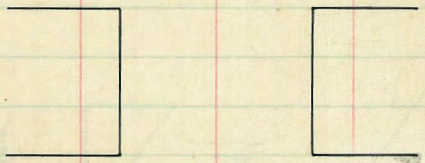

Ibis St.
bas St.


Jackdaw St.
Upas
Horton
Jackdaw
Thorn

Union St.



F



G

H

Union St.

C

D

E

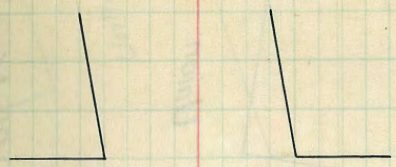
Union St.

Ash

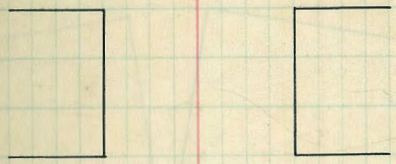
A

B

Union St

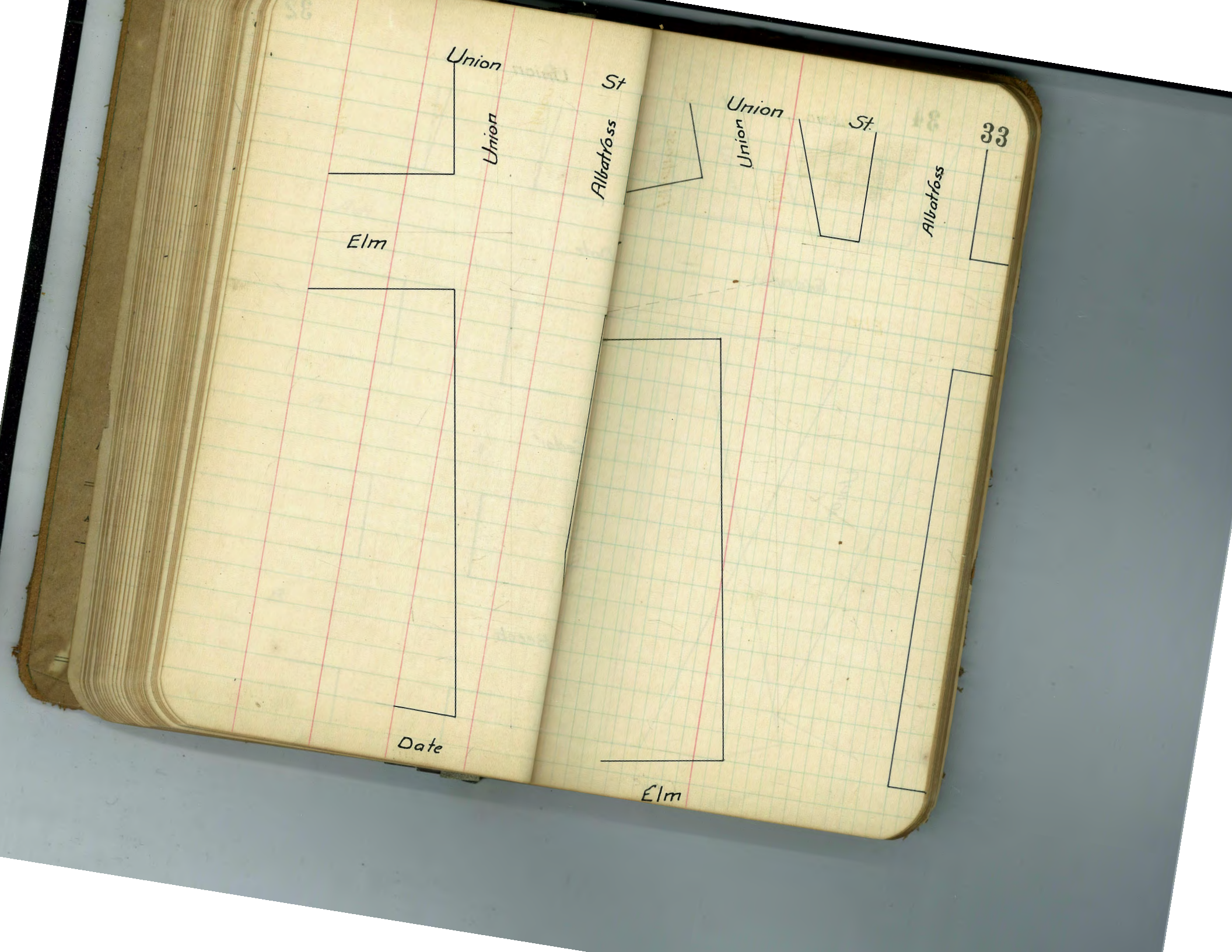


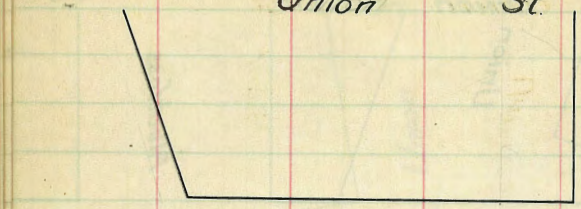
Date



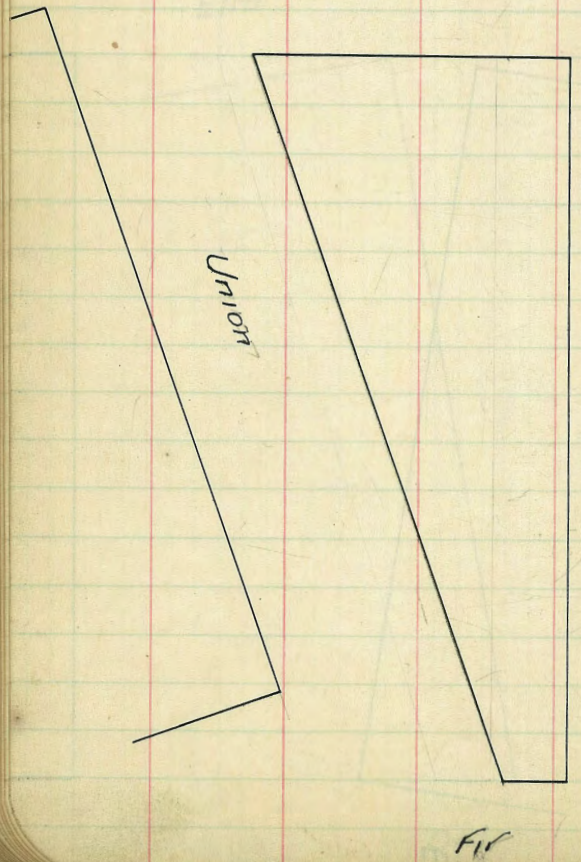
Cedar

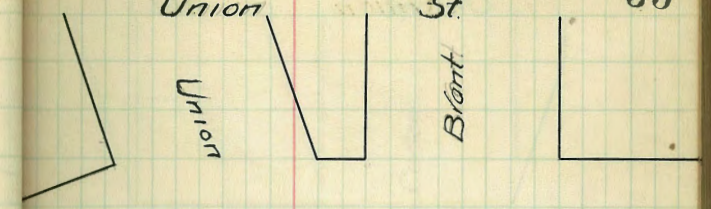
Beech


Union
St
Union
Albatross
Elm
Date
Union
St.
Union
Albatross
33
Elm

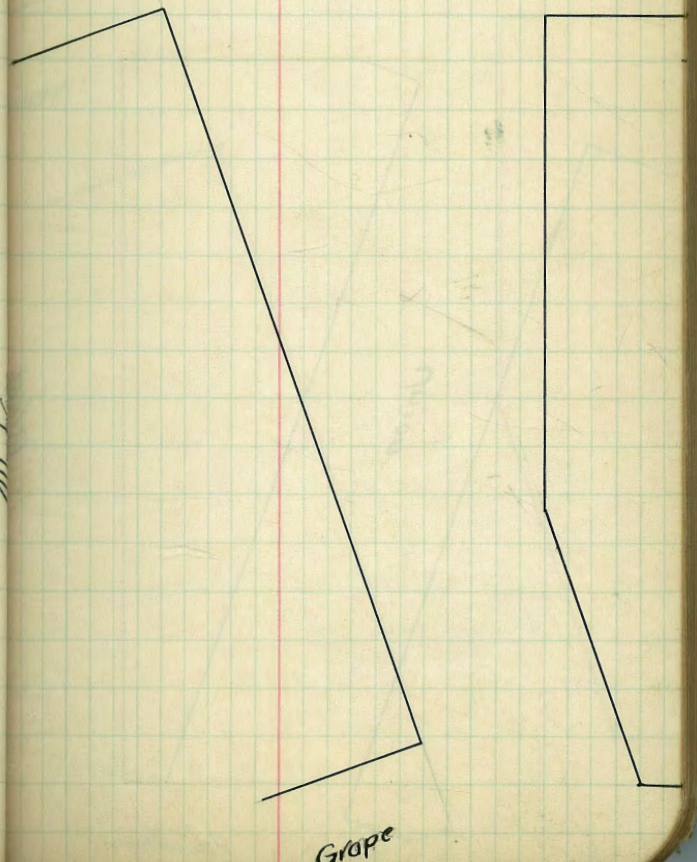


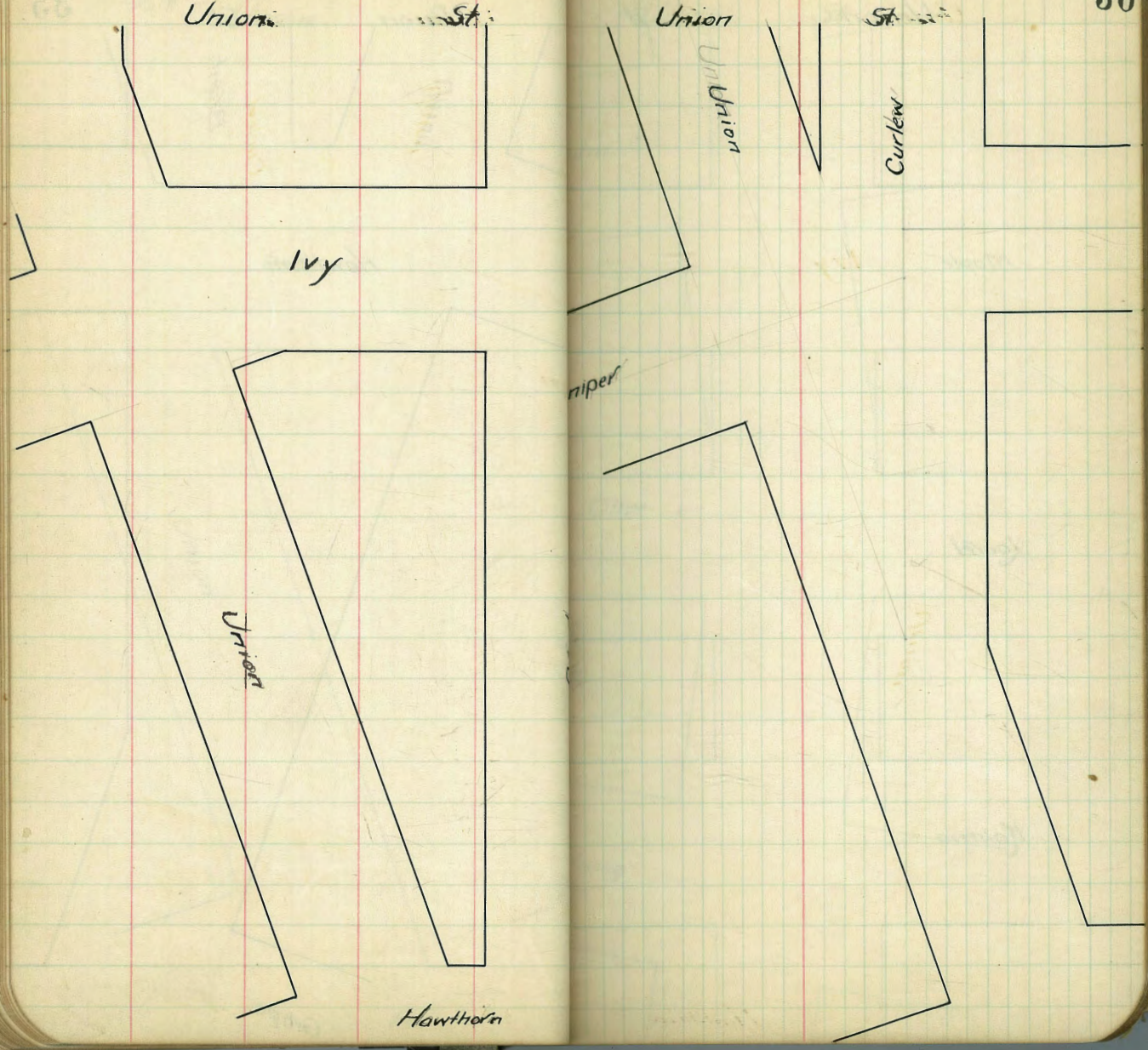
Grape

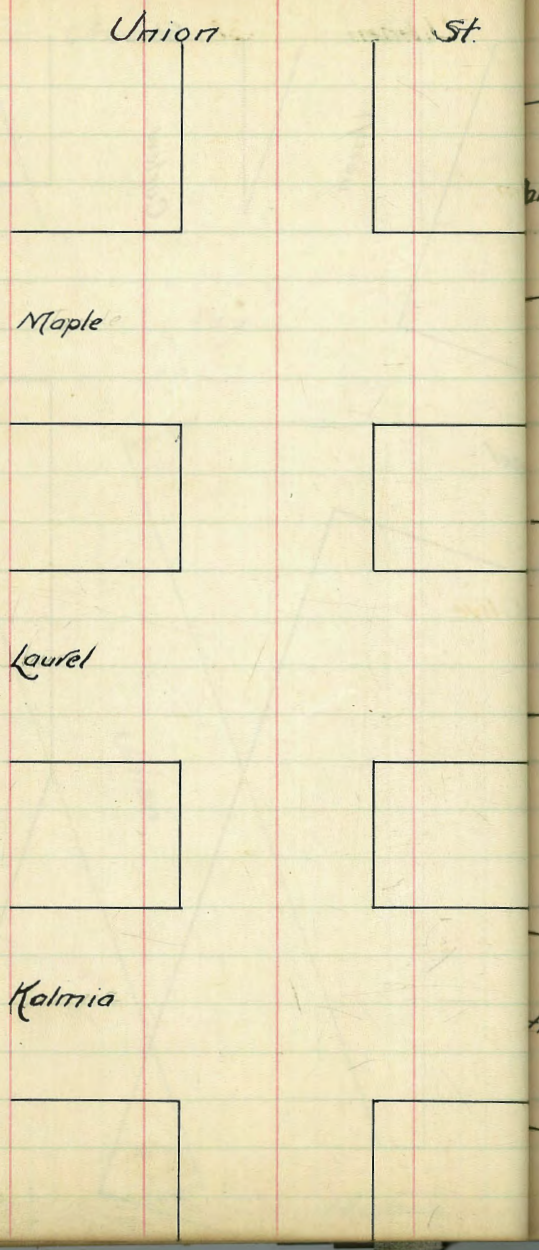


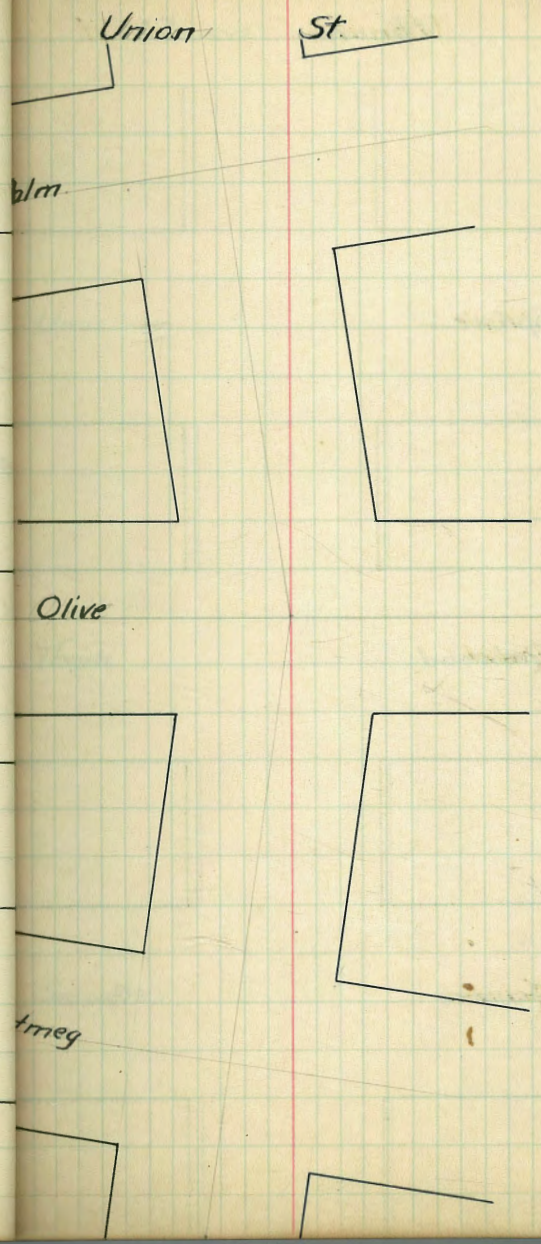


Hawthorn

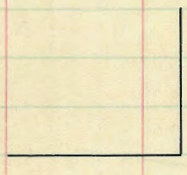



Union St.
Ivy
Union
Hawthorn
Union St.
Union
Curlew
niper

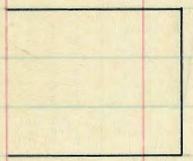

Union
St.
Maple
Laurel
Kalmia


Union
St.
Olive

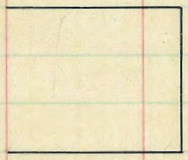
Union St.



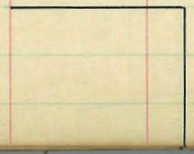
Spruce



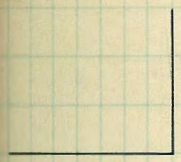
Redwood

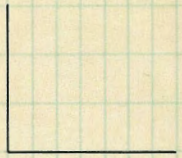


Quince

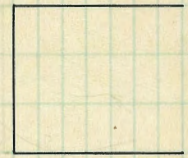


Union St.

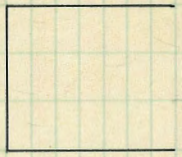




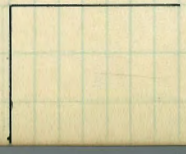
Upas

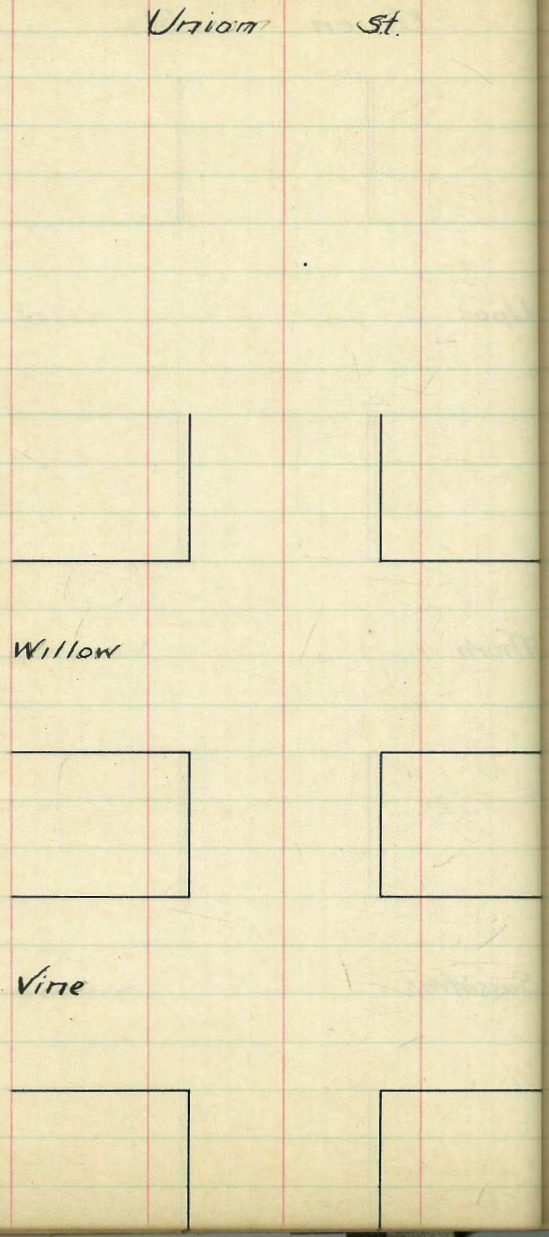


Thorn



Sassafras




Union St.
Willow
Vine

State St.

F

G

H

State St.

C

D

E

State St.

Ash

A

B

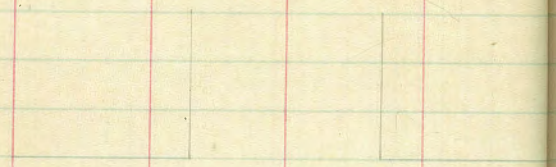
State St.

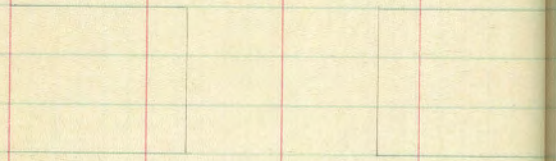
Oak

Cedar

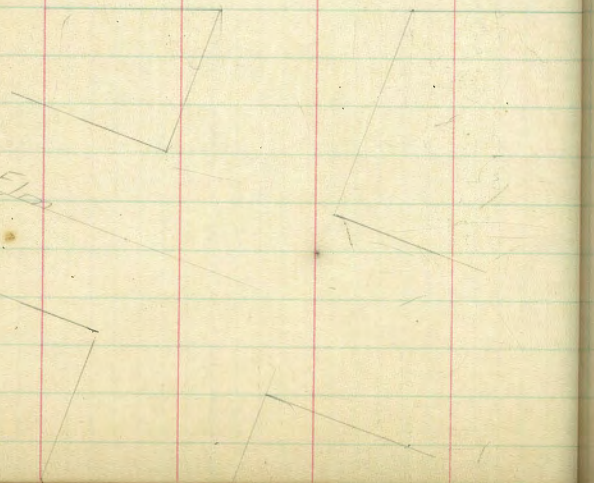
Beech

State St





Fir



Elm

shed by H. S. CROCKER COMPANY, Stationers, Drawing
erials, Mathematical Instruments, etc., San Francisco.

AVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
at.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
		100.00	0.44	100.00	0.87	99.99	1.31	89
99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
71	70.71							
o.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
EGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		