

FIELD NOTES

Of the survey of the Explorer Boundary

Lines of Townships 4 & 5 South Range 31 East

Willamette Meridian, Oregon,

Executed by George S. Pershing

U. S. Deputy Surveyor, under his contract No. 373

dated Sept - 17, 1880

List of the names of the persons employed to assist in running, measuring and marking the lines of the foregoing survey :

William Gradon Chainman.

Olin W. Kosford Chainman.

----- Chainman.

Francis S. Lettenger Axeman.

----- Axeman.

----- Flagman.

PRELIMINARY OATHS OF ASSISTANTS:

We, William Gradon and
Olin W. Hosford

do solemnly swear that we will faithfully execute the duties of Chain Carriers, that we will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines, that we assist in measuring, to the best of our skill and ability.

William Gradon Chainman.

Olin W. Hosford Chainman.

----- Chainman.

Subscribed and sworn to before me, this -----

day of 27 Sept 1880

Warren Clark

Justice of the Peace

J Frank S. Pittenger and

do solemnly swear that we will well and truly perform the duties for which we have been severally employed according to instructions, and to the best of our skill and ability.

Frank S. Pittenger Axeman.

----- Axeman.

Subscribed and sworn to before me, this first

day of October 1880

George S. Pershwin
A U S Dep. Sur.

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Referring the Lines to the pages of the Field Notes.

Town. *No. 5 South* Range *31 East* Will. Mer.

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<i>1</i>	6	5	4	3	2	1	<i>13</i>
<i>2</i>	7	8	9	10	11	12	<i>12</i>
<i>3</i>	18	17	16	15	14	13	<i>11</i>
<i>4</i>	19	20	21	22	23	24	<i>10</i>
<i>5</i>	30	29	28	27	26	25	<i>9</i>
<i>6</i>	31	32	33	34	35	36	<i>8</i>

Exterior lines of Township No. 5 South Range 31 East
 Willamette Meridian, Oregon.

North on the East Boundary of Sec 1
 Co. 19° 45' East —

6.00 Scare timber co. O. & W.

40.00 Set Basalt Stone 12 x 10 x 5 on
 level in mound of stone

for $\frac{1}{4}$ Sec. cor

80.00 Set Pine Post 5 ft long & 6 in. \pm 40

square on slight south slope on
 dug pits & raised mound of

earth for corner to Townships
 4 & 5 South Ranges 31 and
 32 East W. M.

A Pine, 12 in. di, lbs, N. 77° W. 235 lbs, dis.

No other trees near.

Land: Surface nearly level

Soil 1" rate: excellent grass

excellent farming land.

Oct 2nd 1880

Exterior lines of Township No. 4 South Range 31 East

Willamette Meridian, Oregon.

North on the East Boundary of Sec. 36
Ba 19° 30' East

9,000 Enter timber co. E & W.

4,000 Set Pine post on slight North
Slope for 1/4 Sec. cor.

A Pine 40 in. di. brs. S. 44° E. 104 lbs. dist.

" " 20 " " " N. 37° W. 34 " "

5,300 Owens Creek 12 lbs wide co S.W.

8,000 Set Pine post on level for
corner to Sec. 25, 36, 30 & 31

A Pine. 4 in. di. brs. N. 60° E. 30 lbs. dist.

" " 10 " " " S. 77° E. 146 " "

" " 10 " " " S. 80° W. 104 " "

No tree N. W.

Land: Surface undulating; Soil
1st and 2nd rate. Some Pine
timber but not heavy. good
grass; excellent farming
land

Exterior lines of Township No. 4 South Range 31 East -
Willamette Meridian, Oregon.

North on the East Boundary of sec. 25.

Bea. $20^{\circ} 00'$ East.

40,00 Set basalt Stone $18 \times 10 \times 5$
on slight south slope for
 $\frac{1}{4}$ Sec. cor.

A Pine 12 in. di; brs. N. 86° E. 34 lbs. dist.

" " 6 " " " S. 68° N. 54 " "

71,00 Leave timber co. C. & N.

80,00 Set Pine post. dug pits &
raised Mound of earth
for cor. to Sec. 24, 25, 19 & 30
no trees

Land: Surface undulating;
Soil 1^{st} rate Some scattering
thick groves of Pine timber
good grass. good farming
land

Exterior lines of Township No. 4 South Range 31 East
Willamette Meridian, Oregon.

North on the East Boundary of Sec. 24

ba. $19^{\circ} 45'$ East

28,00 Fence & Field co C & W,

39,00 " " " " " " " "

40,00 Set basalt stone $14 \times 12 \times 10$ on level
for $\frac{1}{4}$ Sec. cor.

A Pine 11 in. di. br. N. 11° E 184 lks. dist

43,00 Enter timber co N. W. & S. E.

60,00 New house west about 12 chs

80,00 Set basalt stone $16 \times 10 \times 6$ on level ⁺⁵⁰
for cor. to Sec. 13, 24, 18 & 19

A Pine, 14 in. di. br. N. 24° E, 40 lks. dist.

" " 36 " " " S. 38° E, 58 " "

" " 16 " " " S. 70° W, 70 " "

" " 24 " " " N. 54° W, 75 " "

Land: Surface undulating; soil

1st and 2nd rate Some pine

timber on N. $\frac{1}{2}$ mile good

grass. good farming land

35

333

Exterior lines of Township No. 4 South Range 31 East
 Willamette Meridian, Oregon.

North on the East Boundary of Sec. 13

Pa. $19^{\circ} 45'$ East

32.00 Leave timber E & W.

40.00 Set basalt stone $17 \times 12 \times 8$
 on slight S. W. slope in
 open glade for $\frac{1}{4}$ Sec. cor.

67.00 Enter timber w. S. E. & N. W.

75.00 begin ascent of mountains

80.00 Set basalt stone $15 \times 10 \times 10 + 60$
 on south face of ridge
 in mound of stone for
 cor. to Sec. 12, 13, 7 & 18.

A Pine 12 in. di. brs. N. 68° E. 162 lbs. dist

" " 18 " " " S. 80° E. 107 " "

" " 40 " " " S. 62° W. 121 " "

Land: Surface undulating; Soil
 1^{st} & 2^{nd} rate; good grass.

Some Pine timber,

excellent farming land

October 19th 1880

Exterior lines of Township No. 4 South Range 31 East
Willamette Meridian, Oregon.

North on the East Boundary of Sec. 12.

ba. $20^{\circ} 00'$ East

4000 A Pine 12 in. di. on south face
of ridge for $\frac{1}{4}$ Sec. cor.

A Pine 8 in. di. brs; N. 47° E. 58 lbs. dist.

" 18 " " " S 82° W. 20 " "

8000 A Fir 14 in. di. on west slope + 400
for cor. to Sec. 1. 12, 6 & 7

A Fir 10 in. di. brs. N. 65° E. 17 lbs. dist.

" " 8 " " " S. 33° E. 25 " "

" Pine 12 " " " S. 63° W. 38 " "

" Fir 6 " " " N. 54° W. 25 " "

Land: Surface Mountainous;

Soil 3rd & 2nd rate; Timber irreg-
ular heavy in places. Pine
Tamarack & Fir. good
graps in openings

Exterior lines of Township No. 4 South Range 31 East
Willamette Meridian, Oregon.

North on the East Boundary of Sec. 1,
Pa. $21^{\circ} 00'$ East

6.50 Wagon road w. N. E. & S. W.

40.00 Set basalt stone $17 \times 10 \times 8$

on S. E. slope for $\frac{1}{4}$ sec. cor.

A Tamarack 12 in. di. br. East 135 lbs dist.

" Pine 18 " " " N. 67° W. 108

65.64 Intersected South Bound⁺²⁰⁰-

ary of Township 3 South

Range 31 East 21.24^{chs},

west of corner to Sec. 35 &

36 and set pine post

on level for corner to

Townships 4 South Ranges

31 & 32 East from which

A Pine 6 in. di. br. S. 54° E. 20 lbs. dist.

" " 8 " " " S. 42° W. 26 " "

Land: Surface Mountainous;

Soil 3rd & 2nd rate. Mostly

heavy timber some open

glades. Fir Tamarack & Pi. some grass

FINAL AFFIDAVIT OF ASSISTANTS.

We hereby certify that we assisted George S.

Pershin Deputy Surveyor, in surveying

the Exterior lines of Township N. 4 and
5 South Range 31 East Willamette Meridian, Oregon,

and that said lines have been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General; and we do further swear that we each of us performed the work assigned us, faithfully to the best of our ability, in the capacity hereby indicated by our signatures.

William Gradon Chainman.

Olin Hosford Chainman.

Chainman.

Francis S. Pittenger Axeman.

Axeman.

STATE OF OREGON,
County of Umatilla }

Subscribed and sworn to before me, this 30th
day of October 1880

George S. Pershin
A. W. S. Dep. Sur.

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Diagram of T. No 5 South R. 31 East

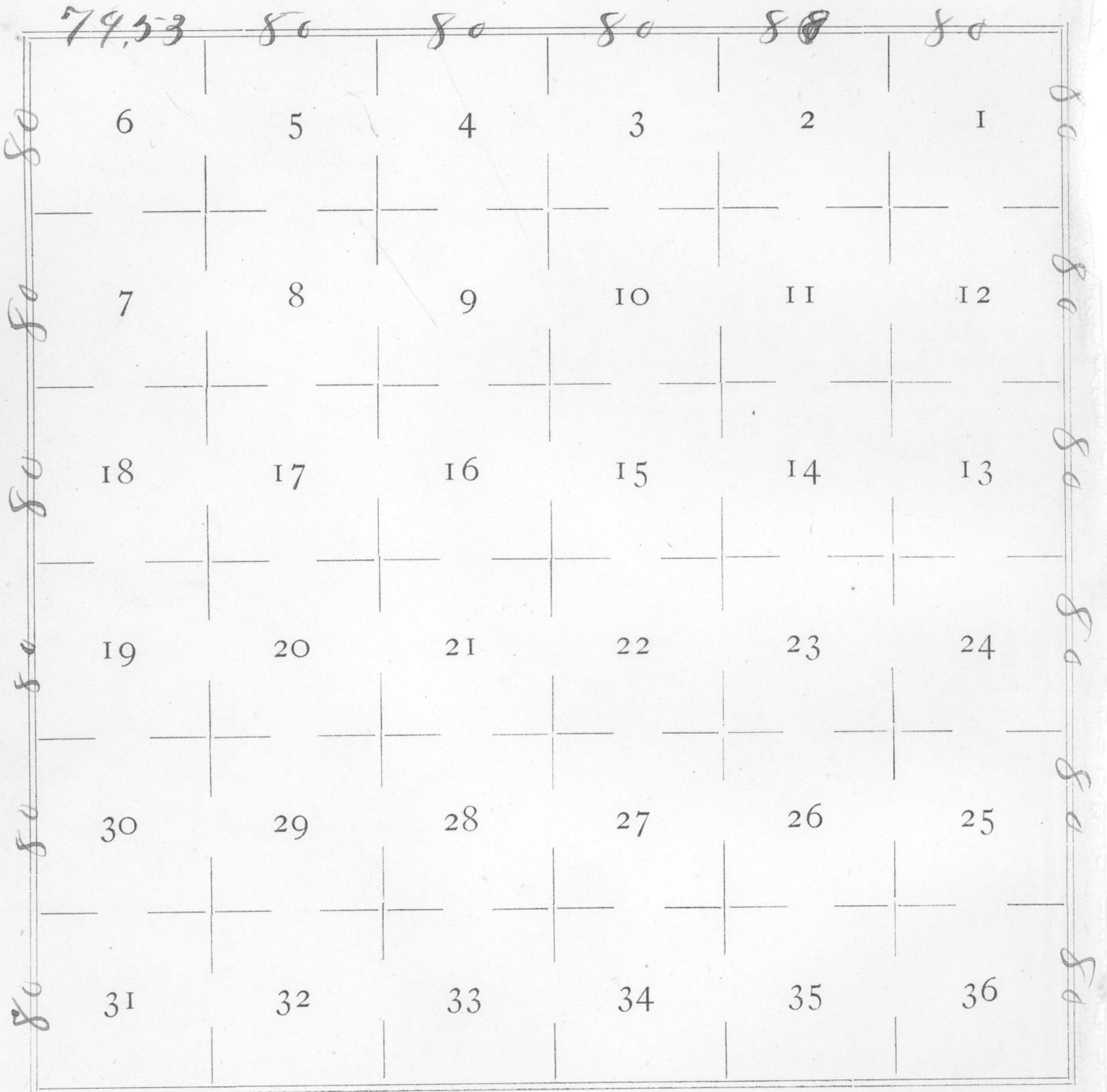
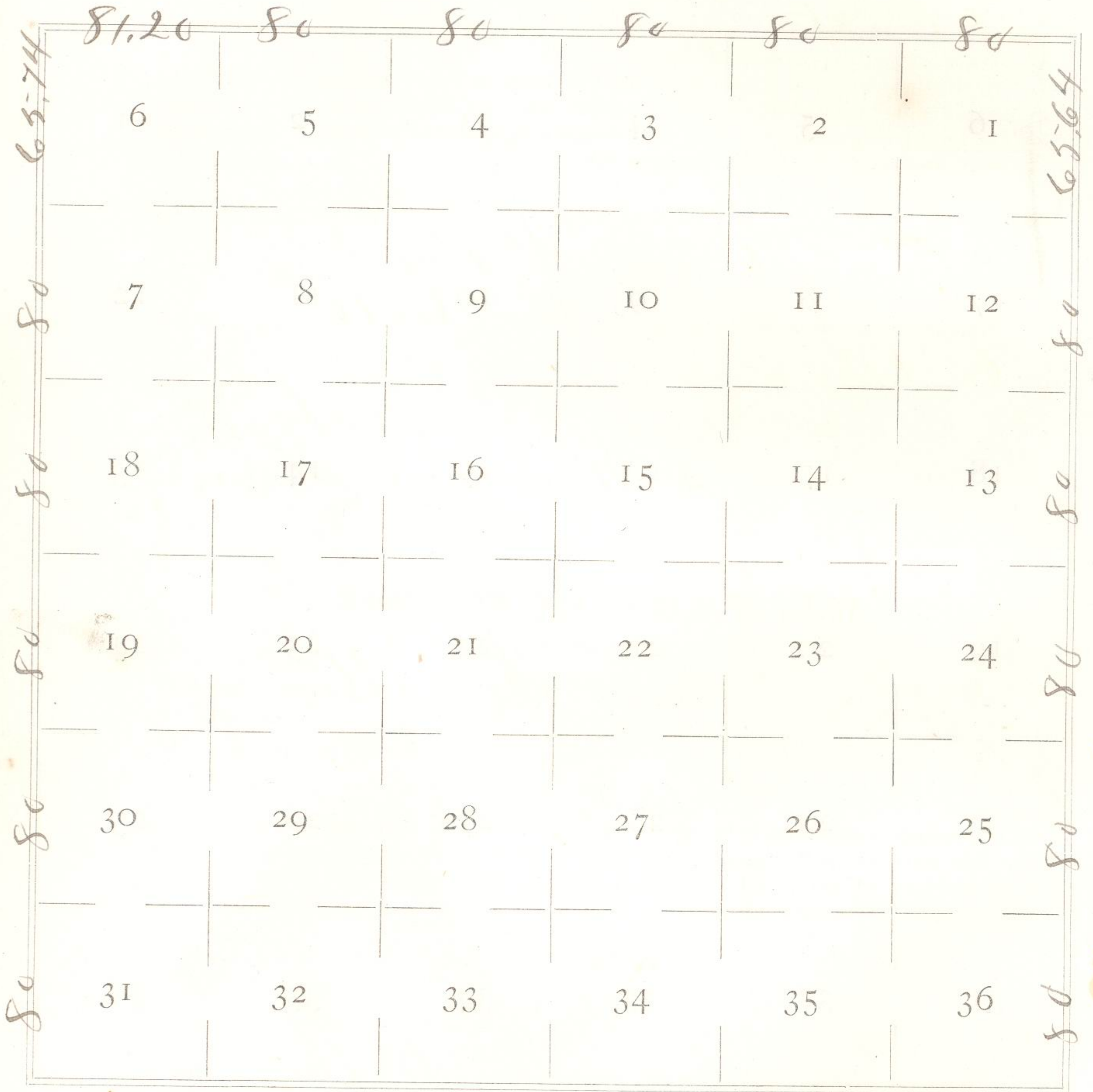


Diagram of T. R.

6	5	4	3	2	I
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Diagram of T. No 4 South R. 31 East



OATH OF CHAINMEN.

We, William Gradon and
Olin W. Hosford Chainmen, hereby certify
 and solemnly swear that we have carefully and faithfully chained all the lines of the
 surveys shown by the annexed diagram of township 485 South Range
31 East, and that the measurements of the same, as determined
 by us, are correctly recorded thereon.

We further certify that the chains used by us in the aforesaid surveys were daily
 compared and corrected by standard measure; that all distances have been obtained
 by horizontal measurements, and that we have in all other respects discharged our
 duties in accordance with legal instructions.

William Gradon
Olin Hosford
 Subscribed and sworn to before me, this thirtieth day of
October 1880

George S. Pershin
A. W. S. Dep. Sur.

OATH OF AXMEN AND MOUNDMEN.

We, Francis S. Pittenger
 axmen and moundmen, in the
 survey of Exteriors of Townships 485 S. R. 31 East,
 hereby certify and solemnly swear that we have carefully and faithfully marked all
 the true lines and corners of the said surveys upon which measurements are shown
 upon the diagram hereto attached, in accordance with instructions and the require-
 ments of the surveying manual.

Francis S. Pittenger
 Subscribed and sworn to before me, this thirtieth day of
October 1880

George S. Pershin
A. W. S. Dep. Sur.

FINAL OATH OF DEPUTY SURVEYOR.

I, George S. Pershin
 United States Deputy Surveyor, do solemnly swear that I have, in my own proper
 person, and with the necessary assistance, well, truly and faithfully executed the
Exterior boundary surveys of Townships
4 & 5 South Range 31st East under my contract with
James C Tolman, United States Surveyor-
 General for Oregon, No. 373, bearing date September
17th 1880; that in making the said survey I have used only such instruments
 as were approved by the said Surveyor-General, exercising due care in the preser-
 vation of adjustments of the same; that in using the solar compass I have at no time
 projected established lines depending for alignment upon the magnetic needle; that
 I have in all respects complied with the laws of the United States governing public-
 land surveys, the surveying manual, and such additional instructions as have been
 furnished me by and through the said Surveyor-General relating to the aforesaid
 survey; that I have thoroughly acquainted my assistants in the field with the nature
 of their duties under the laws and instructions above mentioned; that to the best of
 my knowledge and belief all assistants so employed have likewise obeyed the afore-
 said laws and instructions, and that the annexed field-notes are the original, true
 and correct returns of the said surveys.

George S. Pershin
 Deputy Surveyor.

Subscribed and sworn to before me, this Nov 16 day of

1880

James C Tolman
 Surveyor General

I-----
 Deputy Surveyor, do solemnly swear that in pursuance
 of a contract with-----
 U. S. Surveyor General of the State of Oregon, bearing
 date the----- day of----- 18-----,
 and in strict conformity with the Printed Manual of
 Instructions, and the instructions given me by the Sur-
 veyor General, I have faithfully surveyed the-----
 ----- lines of Township

 ----- aforesaid, and do
 further solemnly swear that the foregoing are the true
 and original field notes of such survey.

 Deputy Surveyor.

STATE OF OREGON, }
 County of----- }

Subscribed and sworn to before me, a-----
 ----- in and for the said County
 and State, this----- day of----- 18-----

Office U. S. Surveyor General,

Portland, Oregon, *Nov. 17* 18*80*

The foregoing Field Notes of the survey of *the*
Exterior bdy. lines of Townships
48.5 S. Range 31 E. Will. Merid
Ogn

executed by *George S. Perchin U.S.*

Dep. Sur. under his contract No. *373*

dated *Sept 17* 18*80*, having been
 critically examined, the necessary corrections and ex-
 planations made, the said field notes and the survey
 they describe, are hereby approved.

James C. Tolman
 Surveyor General.