

## 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.

# INDEX.

Referring the Lines to the pages of the Field Notes.

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

	<i>14</i>	<i>16</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	
<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>

299.  
Exteriors of Township No. 5 South Range 31 East  
Willamette Meridian, Oregon.

I begin at the Stone the corner-  
to Townships 5 South Ranges  
30 and 31 East on 1<sup>st</sup> Stan-  
dard parallel South

A Pine 8 in. di. brs. N. 48° W. 107 lbs. dist

" " 22 " " " N. 71° E. 128 " "

Corner in good repair. - A stone

17 x 12 x 6 in mound of stone

And with Beurt's Improved  
Solar Compass. - Young of  
Philadelphia Maker - I run  
north on the West Boundary of Sec. 31

W. 21° 00' East

Steep ascent -

23.00 On creek bluff. Co. S. E. & N. W. +600

38.00 Enter timber Co. S. E. & N. W.

40.00 Set basalt stone 20 x 14 x 8 on

slight N. W. slope for 1/4 sec. cor.

A Pine 22 in. di. brs. East 68 lbs dist

" " 36 " " " S 48° W. 58 " "

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

80.00 Set Basalt Stone  $18 \times 16 \times 8$

on level for corner to

Sec. 30. 31. 25 and 36

A Pine 18 in. di. brs. N.  $77^\circ$  E. 46 lbs. dist.

" " 10 S.  $60^\circ$  E. 103 " "

" " 16 N.  $66^\circ$  W. 34 " "

No. tree near on S.W.

Land: Surface steep bluff on  
S. 23. chs. N. 57 chs. undulating

Soil. 3<sup>rd</sup> & 2<sup>nd</sup> rate and some-  
what stony. Some good

farming land on N.  $\frac{1}{2}$  mil  
North 57 chs. Mostly heavy

timber with some open  
glade Pine Tamarack and  
fir. good grass

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

North on the West Boundary of Sec. 30  
wa.  $19^{\circ} 45'$  East

33.50 A Ravine co N. E. - 80

40.00 Set Basalt Stone  $14 \times 10 \times 8$  on +50  
S. E. Slope for  $\frac{1}{4}$  sec. cor.

A Pine 16 in. di. brs. S.  $12^{\circ}$  E. 94 lbs dist

" " 22 " " " N.  $85^{\circ}$  W 43 " "

80.00. Set Basalt Stone  $17 \times 10 \times 7$  on

S. E. Slope for corner to

Sec. 19, 30, 24 and 25

A Fir 10 in. di. brs. N.  $47^{\circ}$  E. 31 lbs dist

" " 12 " " " S.  $42^{\circ}$  E. 38 " "

" " 8 " " " S.  $40^{\circ}$  W. 23 " "

" Pine 20 " " " N.  $13^{\circ}$  W. 88 " "

Land: Surface rolling and gener-  
al slope Eastward. Soil 2<sup>nd</sup> and  
3<sup>rd</sup> rate. Mostly heavy timber  
with open glades Pine Tamarack  
and Fir. Mostly good grass  
land. A large part is good farming  
land.

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

North on the West Boundary of Sec. 19.

Pa.  $17^{\circ} 30'$  East,

40.00 Set basalt Stone  $15 \times 10 \times 5$  on

S. W. Slope for  $\frac{1}{4}$  Sec. cor.

A Pine 16 in. di. brs. N.  $57^{\circ}$  E. 35 lbs. dist.

" " 28 " " " N.  $42^{\circ}$  W. 33 " "

77.50 A ravine opens East -100

80.00 Set Basalt Stone  $20 \times 12 \times 7$  +40

on S. E. Slope for corner to

Sec. 18, 19, 13 and 24.

A Pine 22 in. di. brs. N.  $34^{\circ}$  E. 78 lbs. dist

" " 24 " " " S.  $78^{\circ}$  E. 63 " "

" " 10 " " " S.  $76^{\circ}$  W. 61 " "

" " 20 " " " N.  $57^{\circ}$  W. 63 " "

Land: Surface rolling and sloping  
East. Soil 3<sup>rd</sup> and 2<sup>nd</sup> rate.

Mostly heavy timber Pine  
Tamarack and Fir with open  
glades, Much good grass.

Some good farming land.

303  
 Exterior lines of Township No. 5 South Range 31 East  
 Willamette Meridian, Oregon.

North on the West Boundary of Sec. 18

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

40.00 Set basalt stone  $20 \times 8 \times 7$  on S.E.

Slope for  $\frac{1}{4}$  Sec. cor. in open glade

A Pine 12 in. di. br.  $S. 30^{\circ} E.$  133 lbs. dist.

No tree on west side

80.00 Set basalt stone  $17 \times 8 \times 7$  on

slight S.E. Slope for corner

to Sec. 7, 18, 12. and 13

A Pine 12 in. di. br.  $N. 56^{\circ} E.$  167 lbs. dist.

" " 10 " " "  $S. 42^{\circ} E.$  28 " "

" " 26 " " "  $S. 38^{\circ} W.$  116 " "

" " 28 " " "  $N. 62^{\circ} W.$  210 " "

Land: Surface rolling; Soil 2<sup>nd</sup> &  
 3<sup>rd</sup> rate heavy timber with  
 open glades Pine Tamarack  
 and Fir; Much good grass.  
 Some young timber and  
 Willow under brush. Some  
 good farming land



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

North on the West Boundary of sec. 7  
wa.  $19^{\circ} 30'$  East

4000 set basalt stone  $14 \times 12 \times 10$  on

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

A Fir 24 in. di. brs. N.  $38^{\circ}$  E 19 lbs. dist.

" Tamarack 18 " " N.  $52^{\circ}$  W. 36 " "

4300 Ararive open N. E.

4500 Enter Prairie co. E & W.

7700 Enter Timber. E & W.

8000 Set basalt stone  $18 \times 10 \times 8$  in

Sag sloping East for cor. to  
Sec. 6. 7. 1 and 12 A.

Pine 6 in. di. brs. N.  $26^{\circ}$  E. 63. lbs. dist.

" 44 " " " S.  $50^{\circ}$  E. 87 " "

" 8 " " " S.  $42^{\circ}$  W. 59 " "

" 10 " " " N.  $23^{\circ}$  W. 35 " "

Land: Surface rolling. Soil  
3<sup>rd</sup> & 2<sup>nd</sup> rate: Mostly heavy  
timber with some open glades  
Pine. Tamarack & Fir good  
grass in openings. Some good  
farming land

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

North on the West Boundary of Sec. 6

ba.  $18^{\circ} 15'$  East -

28.00 Enter Prairie co. E & W.

40.00 Set Basalt Stone  $24 \times 14 \times 12$

on East slope in small open  
Prairie in Mound of Stone

for  $\frac{1}{4}$  Sec. cor. No trees

75.50 Enter timber co. E & W.

80.00 Set Basalt Stone  $18 \times 14 \times 10$  in

Sag. sloping East for corner.

to Townships 4 and 5 South

Ranges 30 and 31 East

A Pine 20 in. di. br. N.  $56^{\circ} E$ . 54 lbs. dist.

" " 22 " " " S.  $33^{\circ} E$ . 118 " "

" " 16 " " " S.  $62^{\circ} W$ . 39 " "

" " 18 " " " N.  $80^{\circ} W$ . 80 " "

Land: Surface rolling; soil 2" &

3" etc. Mostly open some

Pine Tamarack & Fir timber

good grass. Some good

farming land

October 1<sup>st</sup> 1880

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.

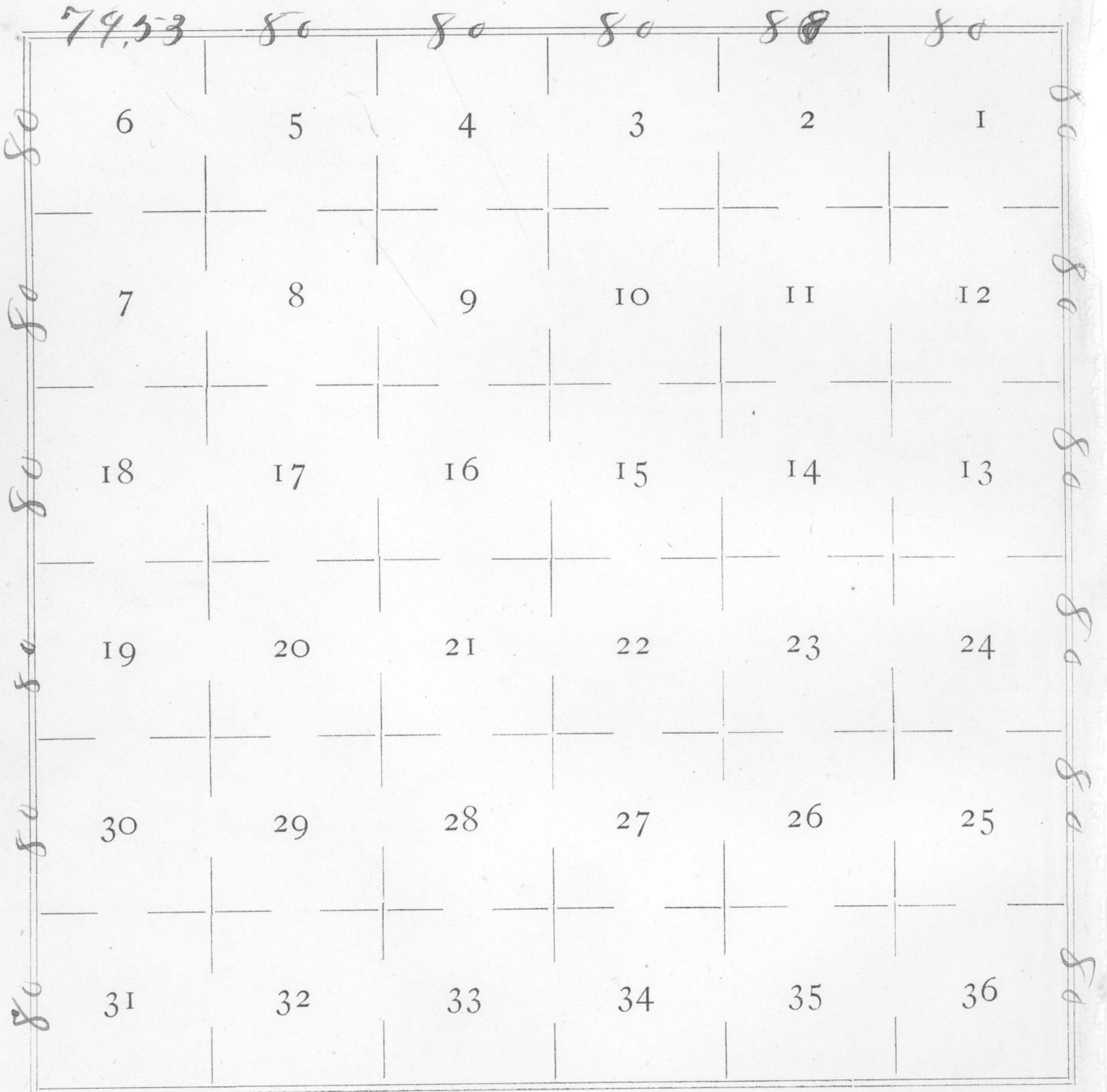
STATE OF OREGON, }  
County of Umatilla }

Subscribed and sworn to before me, this 30<sup>th</sup>  
day of October 1880

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

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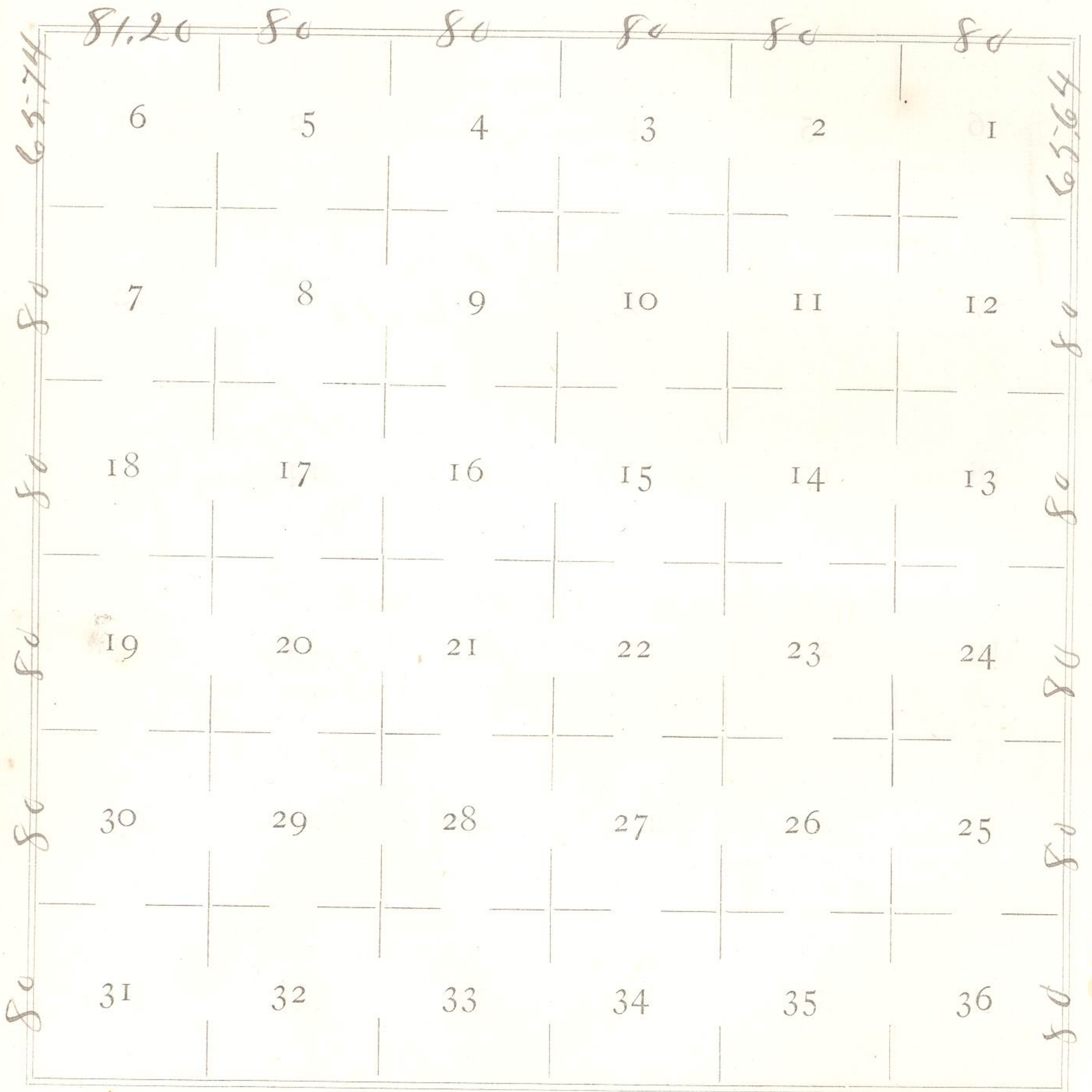
Diagram of T. No 5 South R. 31 East



*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.

OATH OF CHAINMEN

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 31<sup>st</sup> East under my contract with  
James C Tolman, United States Surveyor-  
 General for Oregon, No. 373, bearing date September  
17<sup>th</sup> 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-----

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**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.