

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. Pershiser
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>3</i>	18	17	16	15	14	13	<i>11</i>
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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° E. 54 lbs. dist.

" " 22 " " " S. 33° E. 118 " "

" " 16 " " " S. 62° W. 39 " "

" " 18 " " " N. 80° W. 80 " "

Land: Surface rolling; soil 2" &

3" etc. Mostly open some

Pine Tamarack & Fir timber

good grass. Some good

farming land

October 1st 1880

of Township No. 4 South Range 31 East

Willamette Meridian, Oregon.

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Township 4 South Range 31 East

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

I begin at the corner to
Townships 4 and 5 South
Ranges 30 and 31 East
and with Burt's Improved
Solar Compass I run
North on the West Bounda-
ry of Sec. 31

Pa. $20^{\circ} 15'$ East-

400 Leave timber co. E & W.

2000 Enter " " " "

2500 A marine course East - 80

3900 Leave timber co E & W. + 80

4000 Set basalt stone $15 \times 12 \times 8$ on

S. E. slope in mound of stone

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

A Pine 10 in. di. br. S. $12^{\circ} E$ 108 lbs. dist.

" " 7 " " " S $5^{\circ} N$. 91 " "

6100 Enter timber co E & W.

8000 Set a basalt stone

$14 \times 12 \times 5$ on N. W.

slope for corner

Exterior lines of Township No. 4 South Range 31 East

Willamette Meridian, Oregon.

To sections 30, 31, 25 & 36
from which a

Pine 16 in. di. brs. N. 62° E. 26 lbs. dist.

" 20 " " " S. 72° W. 32 " "

Fir 8 " " " N. 14° W 38 " "

No tree S.E.

Land: Surface undulating
Soil 3rd and 2nd rate

Some pine fir and tamarack
timber good crop

Land not adapted to
farming

27 325

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

North on the west boundary of Sec. 30

ba. $19^{\circ} 30'$ East

32,000 Leave heavy timber
course S.E. & N.W.

4000 Set basalt stone $18 \times 12 \times 10$
in mound of stone on S.W.

Slope for $\frac{1}{4}$ sec. cor. no trees

54,000 Enter timber co. E & W.

80,000 Set basalt stone $20 \times 12 \times 8$ on
slight N.E. slope for cor.
to Sec. 19, 30, 24 & 25

A Pine 24 in. di, brs. N. 48° E. 182 lbs. dia.

" " 28 " " " S. 38° E. 196 " "

" " 10 " " " N. 90° W. 92 " "

No tree S.W.

Land: Surface rolling; soil 3 & 2nd

rate mostly heavy timber

Pine Tamarack & Fir. some

grass. A small part

good farming land

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

North on the west boundary of sec. 19
ba. 19° 30' East

4000 A Pine 8 in. diam. on North
slope for 1/4 Sec. cor.

A Pine 8 in. di. brs. S. 54° E 22 lbs dist

" " 40 " " " S. 77° W 39 " "

6350 Spring branch co. N. E

8000 Set basalt Stone 16 x 12 x 8 on
East slope for cor. To Sec
18. 19. 13 and 24

A Pine 22 in. di. brs. N. 59° E. 53 lbs dist.

" " 16 " " " S. 52° E. 61 " "

" " 20 " " " S. 34° W. 78 " "

" " 8 " " " N. 68° W. 77 " "

Land: Surface rolling, Soil

3rd rate Small part 2nd rate;

heavy timber with some open
glades. Pine, Tamarack & Fir

Some young timber under brush
good grass in glades

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

North on the west boundary of sec. 18
Bearing $17^{\circ} 00'$ East -

32.00 Enter small prairie E & W.

40.00 Set basalt stone $17 \times 10 \times 8$ in
mound of stone on slight
S. E. slope for $\frac{1}{4}$ Sec. cor.

48.00 Enter heavy timber co E & W.

80.00 Set pine post on East slope +100
for cor. to sec. 7, 18, 12 & 13

A Tamarack, 12 in di. brs. N. 10° E 14 lbs. dist.

" Fir 10 " " " S. 57° E 54 " "

" Pine 16 " " " S. 25° W. 50 " "

" Tamarack, 18 " " " N. 51° W. 25 " "

Land: Surface rolling; soil
 2^{nd} & 3^{rd} rate, mostly heavy
timber Pine Tamarack &
Fir. good grass in openings
Some good farming
land.

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

North on the west boundary of section 7
 No. 21° 00' East-

22,000 Square heavy timber Co. C & W.

4000 Set basalt Stone 14 x 12 x 12 on
 South Slope in mound of Stone
 for 1/4 Sec. cor.

79,000 Center timber Co C & W.

8000 Set basalt Stone 16 x 10 x 8 on + 100
 N. W. Slope for cor. to Sec
 6, 7, 11 and 12

A Pine 12 in. di. brs. N. 34° E. 30 lbs. dist.

" " 8 " " " S. 45° E. 27 " "

" " 16 " " " S. 54° W. 34 " "

" " 13 " " " N. 35° W. 45 " "

Land: Surface rolling; soil
 2, 1st & 3rd rates; Some timber
 Pine, Tamarack & Fir;
 good grass; Some
 good farming land

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

North on the West boundary of sec. 6
ca. $21^{\circ} 45'$ East,

4000 Set basalt stone $18 \times 8 \times 7$ on
steep North slope for $\frac{1}{4}$ sec. cor
A Tamarack, 12 in. di. br. East 1.2 chs. dist,
" " 10 " " " N. 80° W. 10 " "

50.00 A ravine opens West -400

54.00 Leave timber Co. E & W.

65.74 To a point on the South +100
boundary of Township 3, South
Range 30 East, 790 chs west
of the cor to Town. 3, South
Ranges 30 and $30\frac{1}{2}$ East
Set basalt stone $18 \times 8 \times 8$ and
post in mound of stone at
this point for cor. to Town-
ships 4 South Ranges 30 &
31 East. no trees

Land: Surface very broken; soil. 2nd
& 3rd rate; heavy timber Pine, Tama-
rack & Fir. some underbrush

Oct 18th 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 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

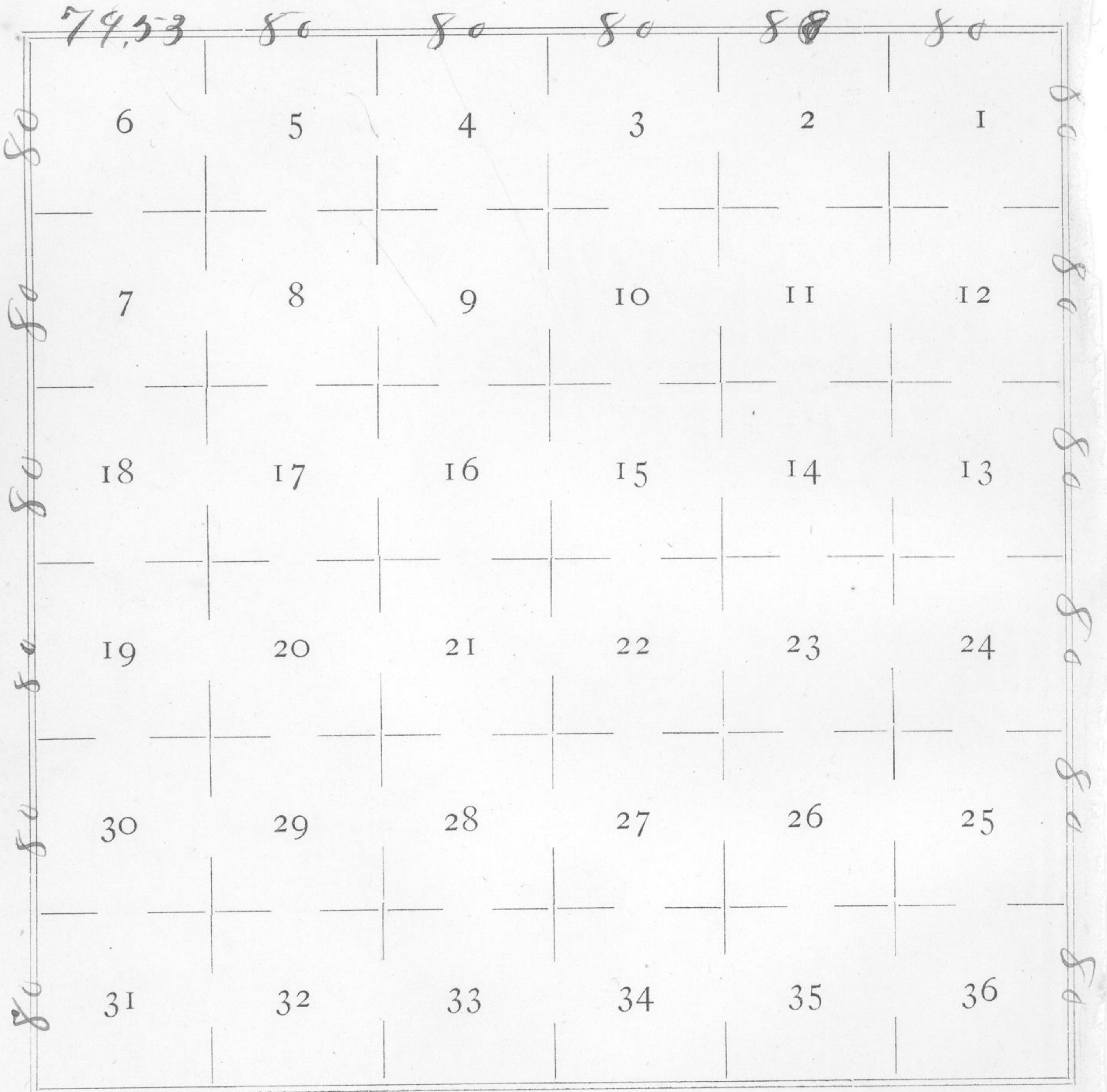


Diagram of T. R.

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
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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.