

H2a

\$ 11.75

OFFICE OF STATE ENGINEER
RECEIVED **113**
NOV 19 1909
SALEM, - OREGON.

413

Cottage Grove, Oregon, November, 18th., 1909.

Mr. John H. Lewis,

State Engineer, Salem, Oregon.

Dear Sir:

Enclosed find application for extension and enlargement of Stewart and Porter Ditch, on Mosby Creek in this County; we are also mailing you under separate cover the drawings and blue prints of the survey of the same.

In the original application you cut down the amount of water applied for which we think in view of the nature of the ground to be irrigated to be unjust.

We have had many years experience in irrigating and know whereof we speak.

The amount of water you allowed us under the original application would be sufficient for the ordinary land but this ditch runs through a rocky gravelly soil for about 1/2 mile and that amount would all seep away before the extreme end of the ditch would be reached. We can see no reason for cutting this down as if there is an excess it will be returned to the river.

If you contemplate reducing the amount as asked for in this application we would respectfully request that you personally examine the ground to be irrigated before taking such action. If you will notify us of such time that you can examine the premises we will meet you ~~here~~ with conveyance and take you to the property.

Respectfully,

Stewart & Porter
Rm V.

#42a

November 19, 1909.

Mr. C. E. Stewart,

Cottage Grove, Oregon.

Dear Sir:

I am in receipt of yours of the 18th inst., transmitting application for permit to appropriate water, No. 413, together with \$12.35, receipt of which is hereby acknowledged. This application will be examined as soon as the same can be reached and, if any corrections are necessary, it will be returned to you.

I note that you consider the amount of water granted under a previous permit to be insufficient to irrigate your land. I beg to call your attention to the fact that the amount of water allowed under this permit refers to the amount delivered on the land, and not the amount diverted from the stream. This will eliminate your objection on the ground that the ditch runs through rocky and gravelly soil, and that the loss by seepage from the ditch would be very extensive.

I trust that in view of these facts you will consider this amount of water sufficient, but if not, kindly advise me on what other grounds you object.

Very respectfully,

State Engineer.

App. - 413

H2a

COTTAGE Grove, Oregon, November, 20th., 1909.

Mr. John H. Lewis,

State Engineer,

Salem, Oregon.

Dear Sir:

OFFICE OF STATE ENGINEER

RECEIVED

NOV 22 1909

SALEM, - OREGON.

Your Communication in re Stewart & Porter Ditch and Water Right, on Mosby Creek in this County, under date of November 19th. received:

Our objection was not only to the nature of the ground over which the ditch is to run but as well as to the nature of the ground to be irrigated, which is a bed of GRAVEL COVERED ONLY BY FROM

Mr. C. E. S. #2.

11/22/09

For the welfare of the State at large I am very desirous of maintaining the precedent established of restricting irrigation to one-eightieth sec. ft. per acre.

Very respectfully,

State Engineer.

App. - 413

#42a

November 22, 1909.

Mr. C. E. Stewart,

Cottage Grove, Oregon.

Dear Sir:

I am in receipt of yours of the 20th inst., referring to application No. 413, by yourself and Mr. Parker, and replying I will submit a few facts and figures for your consideration.

The amount of water allowed on all permits granted by this office is one second foot for eighty acres. This amount of water flowing for ninety days (the average irrigation season) would supply 2.23 acre feet per acre. Or, if applied in the same manner, it is equivalent to 2.23 feet of rainfall in ninety days, which certainly appears ample for the irrigation of any land.

Your application No. 413 calls for five second feet for 174.11 acres, or one second foot for about thirty-five acres. This amount would supply 5.12 acre feet per acre in ninety days, which certainly appears to be excessive.

Many of the best authorities on irrigation claim that it requires practically the same quantity of water for the irrigation of all classes of soil, and that an excessive amount of water applied to land with a loose or gravelly subsoil tends to wash the upper soil down through the gravel beneath.

You will understand that the permit granted by this office restricts you to the amount named therein only after the stream has been adjudicated, as it would be impossible to put a water master in charge of the stream until that time. The notation system can then be applied, so that you are practically assured of a good irrigation head. It is quite probable that you do not contemplate the continuous use of the water during the irrigation season, while the permits do. For instance, twice the amount of water granted might be used for half the time, etc.

SUBJECT: Application No. 413

STATE OF OREGON

OFFICE OF THE
STATE ENGINEER

JOHN H. LEWIS, STATE ENGINEER
PRESIDENT OF THE BOARD OF CONTROL
SECRETARY OF THE DESERT LAND BOARD

SALEM, OREGON. 12/16/'09.

OFFICE OF STATE ENGINEER
RECEIVED
DEC 22 1909
SALEM, - OREGON

Mr. C. E. Stewart,

Cottage Grove, Ore.

Dear Sir:-

Upon examination of your Enlargement Application No. 413, I find the same is subject to approval except for a fee of \$9.95 in addition to the \$11.75 already received.

You have probably computed the acreage fee on this application at 5 cts. per acre, considering the same a part of your former application, but it has been the policy of this office to treat the enlargement application as entirely independent of the former application, as many applications^{are} for the enlargement of existing appropriations made under the old law.

Upon receipt of the above amount, your application will be taken up for approval.

Very respectfully,

PAC-LA

John H. Lewis
State Engineer.

995

#42a

December 22, 1909.

Mr. C. E. Stewart,

Cottage Grove, Oregon.

Dear Sir:

I beg to acknowledge receipt of \$9.95, balance of fees due on your application, No. 413. This application will be taken up for approval as soon as the same can be reached.

Very respectfully,

State Engineer.

#42a

January 28, 1910.

Mr. C. E. Stewart,

Cottage Grove, Oregon.

Dear Sir:

Replying to your inquiry of the 27th inst., in regard to your enlargement application, No. 413, I beg to advise you that this application is subject to approval and will probably be approved within the next few days. Delay in this matter is due to an attack of typhoid fever, which has prevented my being in the office for a considerable time.

Very respectfully,

State Engineer.

Appl. - 413

OFFICE OF STATE ENGINEER
RECEIVED
JAN 28 1910
SALEM, - OREGON.

42a

Cottage Grove, Ore., Jan. 27, 1910.
Mr. John H. Lewis,
Salem, Ore.

Dear Sir :- What has been done in the
matter of our enlargement-application No. 41.

Yours truly,

L. E. Stewart

#42a

February 8, 1910.

Mr. C. E. Stewart,

Cottage Grove, Oregon.

Dear Sir:

I enclose herewith application No. 413, by yourself and J. C. Porter, approved, being enlargement permit No. 25, together with one blue print map.

Very respectfully,

State Engineer.

(Enclosures.)