**Application No.** 14295

**Permit No.** 10345

**Certificate No.** 11305

**Stream Index, Page No.** 2 - 47a.

**Application Record, Book No.**

Name H. Wallen

By

Address Dorena, Oregon

Date filed Sept. 1, 1931

Action suspended until

Returned to applicant

Date completed

Date of approval Nov. 27, 1931

## CONSTRUCTION

Date for beginning 11-27-32

Date for completion 10-1-33

Extended to 10/1/34

Date for application of water 10-1-34

Extended to 10/1/35

## PROSECUTION OF WORK

Form "A" filed July 27, 1932

Form "B" filed October 3, 1934

Form "C" filed Sept. 17, 1935.

## FINAL PROOF

Blank mailed Sept. 20, 1935

Proof received Sept. 30, 1935.

Date certificate issued Nov. 20, 1935

Receipt for recording fee No. 19215 for 1.00

## FEES PAID

| Date | Amount | Receipt No. |
|---|---|---|
| 9/1/31 | $5.00 | 14269 |
| 9/27/31 | 9.50 | 14379 |
| 10/15/31 | 1.50 | 14436 |
| Total | | |

## FEES REFUNDED

| Date | Amount | Check No. |
|---|---|---|
| | | |

## ASSIGNMENTS

| Date | To whom | Address | Volume | Page |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

## REMARKS

9.5 sec. ft. from Row River, trib., Willamette River, for irrigation 25 acres, domestic, fish pond & development 7 6 h. p. for gasoline 7 pump.

10-3-33- Extension Granted

10-9-34- Card for C.

To be inspected

OK for Cert

# STATE OF OREGON

COUNTY OF LANE

# CERTIFICATE OF WATER RIGHT

**This Is to Certify,** *That* H. WALLEN 97434

*of* Dorena *, State of* Oregon *; has made proof to the satisfaction of the STATE ENGINEER of Oregon, of a right to the use of the waters of* Row River *a tributary of* Willamette River *for the purpose of* irrigation, domestic, fish pond and development of 5.4 theoretical horsepower *under Permit No.* 10345 *of the State Engineer, and that said right to the use of said waters has been perfected in accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from* September 1, 1931;

*that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 9.5 cubic feet per second,

*or its equivalent in case of rotation.*

*The point of diversion is located in the* SW¼NW¼, Section 19, Township 21 South, Range 1 West, W. M.

*The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to* one-eightieth *of one cubic foot per second per acre,*

*and shall conform to such reasonable rotation system as may be ordered by the proper state officer.*

*A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:*

8 acres in the SW¼NW¼,
Section 19,
Township 21 South, Range 1 West, W. M.

*The right to the use of the water for the purposes aforesaid is restricted to the lands or place of use herein described.*

*After the expiration of fifty years from the date of this certificate or on the expiration of any federal power license issued in connection with this right, and after not less than two years' notice in writing to the holder hereof, the State of Oregon, or any municipality thereof, shall have the right to take over the dams, plants and other structures and all appurtenances thereto which have been constructed for the purpose of devoting to beneficial use the water rights specified herein, upon condition that before taking possession the State or municipality shall pay not to exceed the fair value of the property so taken, plus such reasonable damages, if any, to valuable, serviceable and dependable property of the holder of this certificate, not taken over, as may be caused by the severance therefrom of the property taken in accordance with the provisions of section 47-508, Oregon Code 1930.*

V&P

*WITNESS the signature of the State Engineer, affixed*

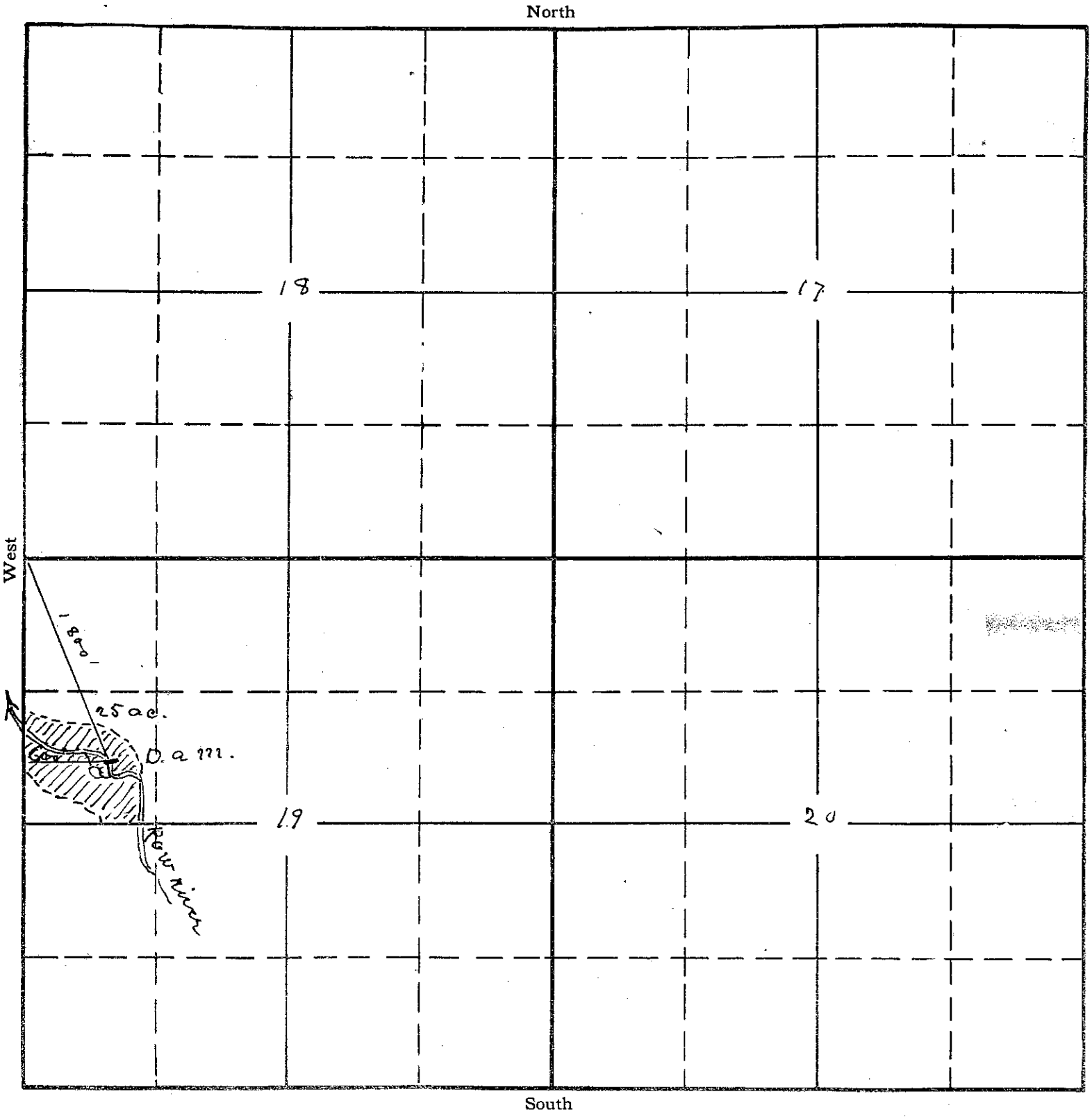
*this* 20th *day of* November *, 193*5 .

CHAS. E. STRICKLIN
*State Engineer*

*Recorded in State Record of Water Right Certificates, Volume* 10 *, page* 11305

SECTION 19

TOWNSHIP 21 S, RANGE 1 W, W. M.




APPLICATION No. 14285

PERMIT No. 10345

## Form A

## NOTICE OF BEGINNING OF CONSTRUCTION

I, H. Wallen, the holder of Application No. 14285, being

(Reservoir or Enlargement) Permit No. 10345, issued by the State Engineer of the State of Oregon for the appropriation of 9.5 second-feet of the waters of _____ in accordance with the tenor of such permit and the limitations endorsed thereon by the State Engineer, began the actual construction of the works described therein on the 4 day of June, 1934, being within the time limitation as fixed in said permit for the beginning of construction work.

Rocks and other material are brought on.

The appropriator should state the manner of beginning construction work, number of men and teams employed, the amount of work completed up to the date of this statement, and any additional information which may tend to show the beginning of work in good faith.

I suppose build the dam myself.

IN WITNESS WHEREOF, I have hereunto set my hand this 23 day of July, 1934.

Dorena, Oregon (Present Address)

H. Wallen (Signature of Applicant)

Fill out, detach, and mail to the State Engineer, Salem, Oregon.

## Form B

## NOTICE OF COMPLETION OF CONSTRUCTION

I, H. Wallen, the holder of Application No. 14285, being

Reservoir (Reservoir or Enlargement) Permit No. 10345, issued by the State Engineer of the State of Oregon for the appropriation of 9.5 second-feet of the waters of Row River in accordance with the tenor of such permit and the limitations endorsed thereon by the State Engineer, have completed the construction of the works described therein the 29 day of September, 1934, being within the time limitation as fixed in said permit or as extended by the State Engineer for the completion of construction work.

Remarks: Water pump is; intake 1½ in and discharge 1 in.

If the works have a less capacity than as described in the permit, or you have definitely abandoned your plan of irrigating any of the lands described in your permit, you should so state in order that our records may not be unnecessarily encumbered.

IN WITNESS WHEREOF, I have hereunto set my hand this 1 day of Oct., 1934.

Dorena, Oregon (Present Address)

H. Wallen (Signature of Applicant)

Fill out, detach, and mail to the State Engineer, Salem, Oregon.
Form D should be used in reporting progress of work if more than one year has been allowed for completion.

## Form C

## NOTICE OF COMPLETE APPLICATION OF WATER TO A BENEFICIAL USE

Proof

I, H. Wallen, the holder of Application No. 14285, being

Reservoir (Reservoir or Enlargement) Permit No. 10345, issued by the State Engineer of the State of Oregon for the appropriation of 9.5 second-feet of the waters of Row River in accordance with the tenor of such permit and the limitations endorsed thereon by the State Engineer, completely applied the water to a beneficial use, on the 1 day of October, 1935, being the time limitation as fixed in said permit or as extended by the State Engineer for the complete application of water to a beneficial use.

Remarks: _____

If all of the water granted in the permit had not been fully applied to beneficial use, you should so state, so that delinquent appropriators may have notice.

IN WITNESS WHEREOF, I have hereunto set my hand this 16 day of September, 1935.

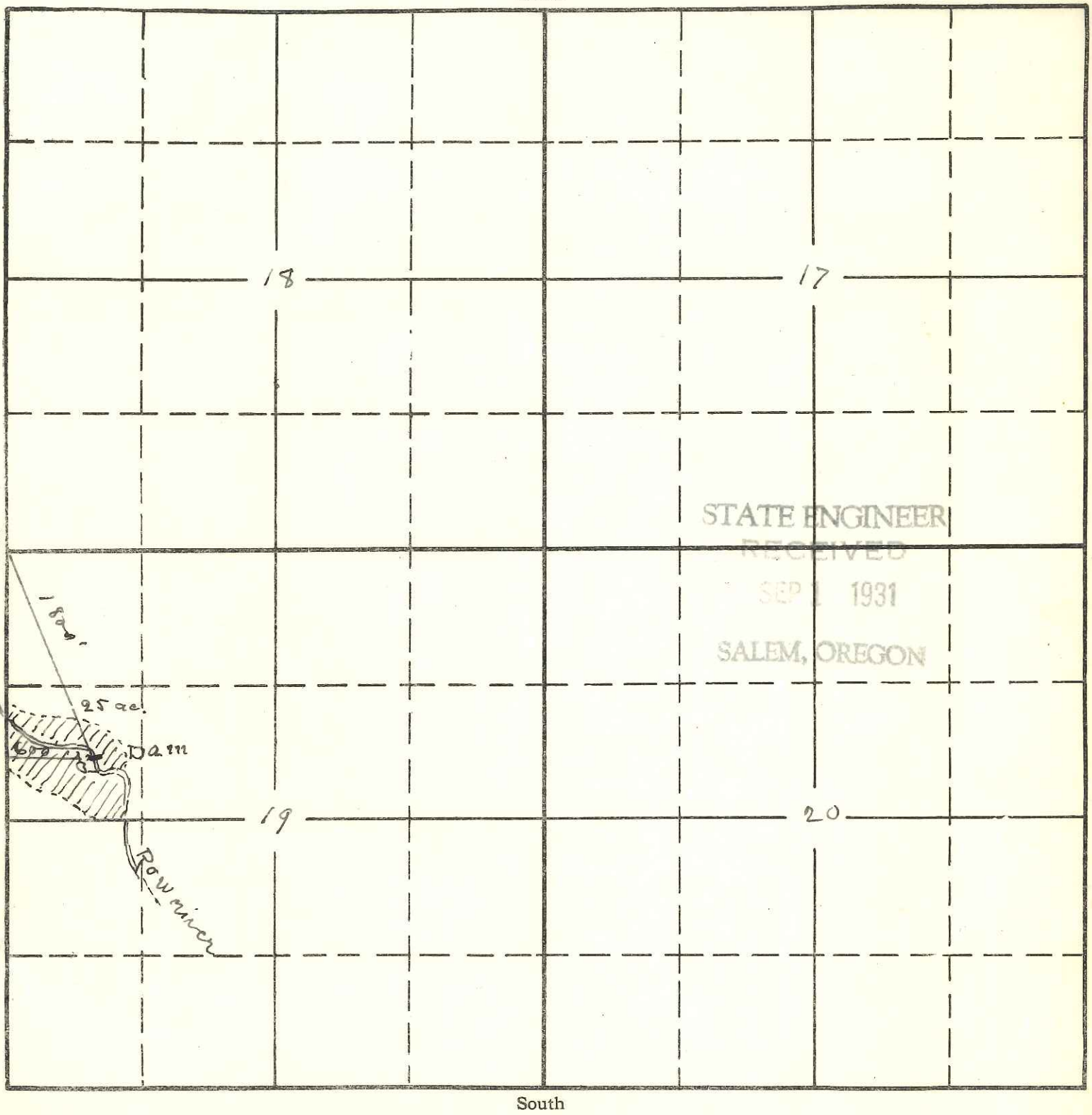
Dorena, Oregon

H. Wallen

SECTION

19

TOWNSHIP 21S, RANGE 1W, W. M.

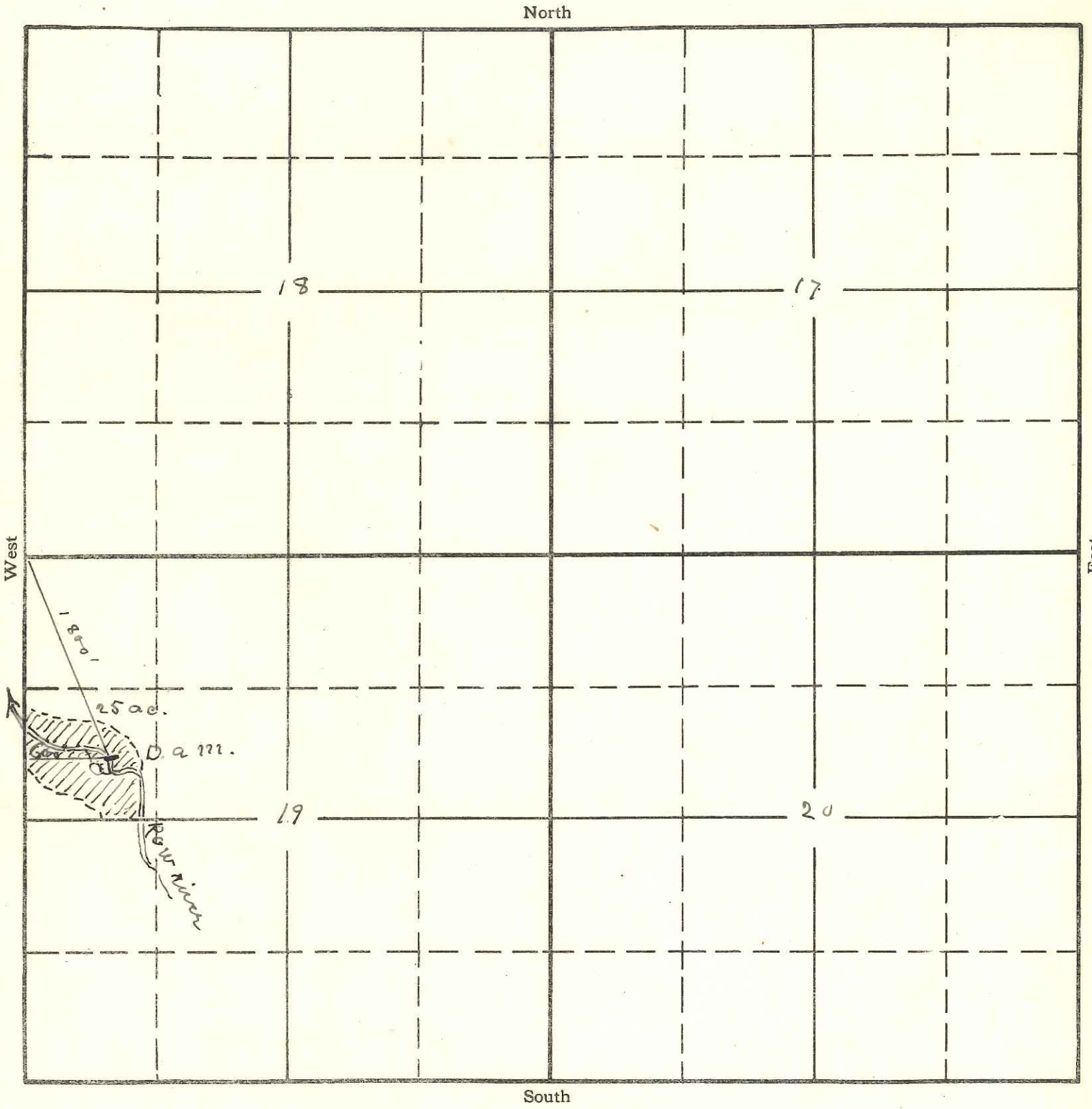



APPLICATION No. 14285

PERMIT No. 10345

SECTION 19

TOWNSHIP 21 S, RANGE 1 W, W. M.




APPLICATION No. 14285

PERMIT No. 10345

PERMIT NO. 10345

11305

APPLICATION NO. 14285 COUNTY Lane

# PROOF OF APPROPRIATION OF WATER

1. Name H. Wallen 2. Address Dorena, Oregon.

3. Source of supply Row River

Tributary of Willamette River

4. Amount of water 9.5 c.f.s. 5. Priority date September 1, 1931.

6. Use irrigation, domestic, fish pond and development of 6 theoretical horsepower ~~or operation of pump~~ 5.4

7. Location of point of diversion, SW¼NW¼ (Legal Subdivision) Sec. 19, Twp. 21 S, Range 1 W., W. M.

8. The description of land given below corresponds to that found in your permit covering land to be irrigated, or, if for other purposes, the place of use. In the blank column on the right, headed "No. acres actually irrigated," *fill in the number of acres you have irrigated* in each of the tracts described:

| Township | Range | Section | Forty-acre Tract | No. Acres Described in Permit | No. Acres Actually Irrigated |
|---|---|---|---|---|---|
| 21 S. | 1 W. | 19 | SW¼NW¼ | 25 | 8 |

This column must be filled in if water is used for irrigation

(Attach separate sheet if necessary)

## DESCRIPTION OF WORKS

9. (a) If a dam has been constructed, give description: Height, 3 ft.; length on top, 43 ft.; length on bottom 15 ft.; material used and character of construction, Logs anchored to bedrock with steel cables. Zinc thick planking.

(b) Give description of headgate: Width, 3.5 ft.; depth, 2.5 ft.; material used and character of construction, Wood, made out of 2" planks.

(c) Size of canal: Width on top (at waterline) ..... ft.; width on bottom, ..... ft.; depth of water, ..... ft.; grade, ..... ft. fall per 1,000 ft. Actual capacity, ..... sec.-ft.

Give general description: .....

(d) Pipe line: Description of intake, Pumps the water from the flume.

Length of pipe, 300 ft.; size at intake, 2½ in.; size at ..... ft. from intake, 2 in.; size at place of use, 2 in. Difference in elevation between intake and place of use, 7 ft.

Is grade uniform? yes Actual capacity of pipe line, 1/10 sec.-ft.

Give general description: Steel pipes

(Material: Steel, wrought, cast iron, wood stave, etc.)

(e) Pumping plant: Give size and type of pump, Centrifugal pump.

Suction lift, 1. ft.; discharge lift, 6 ft. Type of motor used .....

Horse power rating, ..... H. P. Actual capacity of pump, ..... sec.-ft.

10. During what months is water beneficially used? .....

11. State character of soil Sandy loam soil

Kind of crops raised Alfalfa, corn and garden crops.

12. Does the accompanying map, filed with your application, show correctly the point of diversion, area of land irrigated, or place of use? yes

13. If not, wherein is such map in error? .....

14. Domestic use: Give number of families actually using water at this time 1

15. If for power, mining, municipal, manufacturing, storage or any other purpose than irrigation, give extent and method of such use Saw, for cutting wood.

## AFFIDAVIT OF APPROPRIATOR

extent and method of such use ..... Stock, for Feeding Wood .....

## AFFIDAVIT OF APPROPRIATOR

STATE OF OREGON, } ss.
County of Lane }

I, H. Walker, being first duly sworn, depose and say that I have read the above and foregoing proof of appropriation of water; that I know the contents thereof, and that the facts therein stated are true.

IN WITNESS WHEREOF, I have hereunto set my hand this 28th day of September, 1935.

H. Walker

Subscribed and sworn to before me this 28th day of Sept, 1935.

Notary Public for Oregon

[NOTARIAL SEAL] My commission expires 10-4-1935

## AFFIDAVIT OF WITNESSES

STATE OF OREGON, } ss.
County of Lane }

We, Lee V. Smith, and Mildred Smith of Albany, Ore., being first duly sworn, depose and say that we are well acquainted with the facts and conditions set forth in the foregoing statement relative to proof of appropriation of water under Permit No. 10277; that we and each of us have been over and upon each tract described in said proof, and from such personal inspection have knowledge that all necessary ditches, dams and other diversion and distributing works have been constructed, and water used as stated therein; that we have carefully read such proof of appropriation, and that each and every statement contained therein is true to the best of our knowledge and belief.

Lee V. Smith

Mildred Smith

Subscribed and sworn to before me this 28th day of Sept, 1935.

Notary Public for Oregon

[NOTARIAL SEAL] My commission expires 10-4-1935

## REPORT OF PERSON MAKING INSPECTION

(For use by representative of State Engineer)

I, M. Bauch, do hereby certify that I have made an inspection of the works described herein and in Permit No. 10345, on the 10th day of Oct, 193 5, and found the foregoing statements and descriptions of works to be accurate. In my opinion the appropriation has been completed to the extent of 9.5 (Quantity of water in second-feet or acre-feet) and I recommend the issuance of a water right certificate for this amount.

M. Bauch
(Name)

Water Right Examiner
(Title)

**NOTE TO INSPECTORS**

**If conditions do not justify the above report by you, please return the proof without your signature, with a full report by letter.**

**PROOF OF APPROPRIATION**

Permit No.....

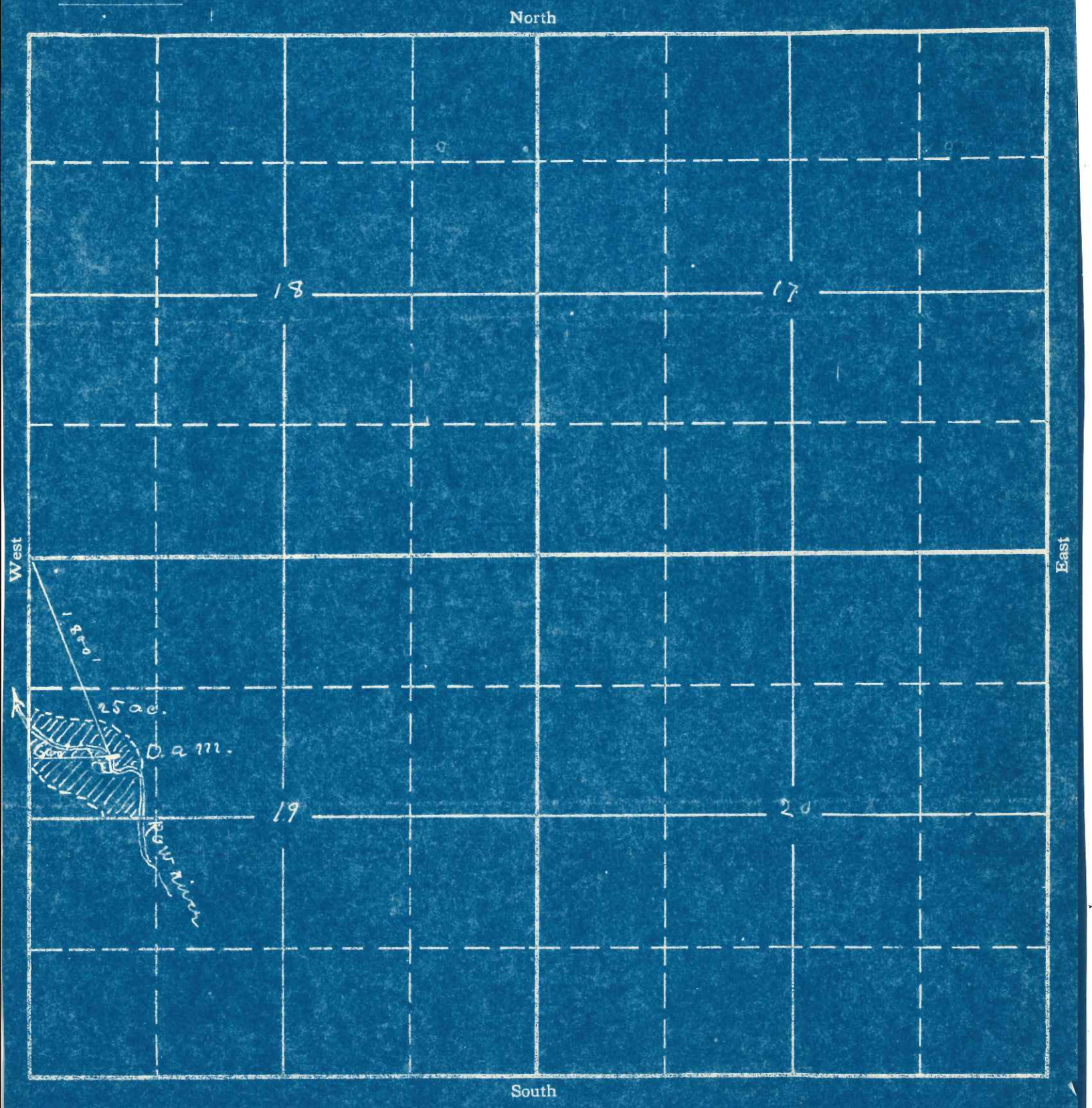
Recording fee paid

Receipt No.....

19

19

TOWNSHIP 21 S, RANGE 1 W, W. M.




APPLICATION No. 14285

PERMIT No. 10345

14285

February 25, 1939

Mr. W. E. Clevenger
Star Ranch
Dorena, Oregon

Dear Sir:

Receipt is hereby acknowledged of your letter of February 20th inquiring concerning Application No. 14285, being Permit No. 10345 as to the proper procedure to follow since the land covered by this right has changed hands since the initiation of the right.

Inasmuch as the right represented by the above-named permit which was originally in the name of H. Wallen, has been perfected and confirmed by the issuance of Certificate No. 11305 which certificate is of record in this office as well as in the records of the county in which the right is situated, no assignment and no further recording is necessary when the property covered by the right changes hands. This is because under Oregon law, water is appurtenant to the land and passes with the land the same as any other appurtenance when the property is sold. The name in which a completed and perfected water right rests is not material. The important item is a description of the land covered by the right since the completed right actually belongs to the land and not to an individual.

Very truly yours,

CHAS. E. STRICKLIN
State Engineer

By

EKH:RE

Ed K. Humphrey, Assistant

Dorena Oregon
2-20-39

Engineer
Salem
Ore

RECEIVED
FEB 21 1939
STATE ENGINEER
SALEM, OREGON

Dear Sir:

I have Purchased Property with certain Water right application No 14285; Permit No 10345 dated 9-3-31. ondeed calls for No Permit No 38344 dated 11-20-35 Was recorded by owner H. Wallen But I Purchased Prop. from J. L. Bonaly who never had right recorded or transffred in his name I would like to have same recorded to date. Will you kindly Inform me to Proper channel to Proceed.

Yours Resp.

W. E. Clemenger
Star Ranch
Dorena
Oregon

STATE ENGINEER
ION COMMISSION
OMMISSION OF OREGON

# STATE OF OREGON

OFFICE OF THE

## STATE ENGINEER

WATER RESOURCES DEPARTMENT

SALEM

ADDRESS ALL COMMUNICATIONS
CHAS. E. STRICKLIN, STATE ENGINEER
SALEM, OREGON

AND REFER TO FILE NO. 14285

October 19, 1935

Mr. Chas. E. Stricklin
State Engineer
Salem, Oregon

Dear Mr. Stricklin:

An inspection was made by the undersigned on Friday, October 11, in connection with the final proof under Permit No. 10345 in the name of H. Wallen. It was found that Mr. Wallen has constructed a dam of timber, rock and concrete across Row River which dam is from 5 to 6 feet in height, 60 feet long on top and approximately 40 feet long at the bottom. The spillway is over the top of the dam and a wooden headgate has been constructed at the southwest end. A timber flume 60 feet in length, 4 feet wide and 2½ feet deep conveys water from the dam to an impeller type turbine, which furnished power for his pumping plant and miscellaneous equipment.

The impeller is 17½ inches in diameter and consists of six blades caste on a vertical shaft. The turbine operates under a head of approximately 5 feet. The extreme amount of fall, the short length of flume and the character of its construction caused the flow to be so turbulent that it was practically impossible to make a measurement, although there was no question but what the permittee was appropriating all of the 9.5 cubic feet per second allowed in his permit, and very probably considerably more.

A semi-flexible steel shaft transmits the power from the above turbine to a four-inch centrifugal pump and to grindstones, saws and other miscellaneous equipment.

The above installation will furnish 5.4 theoretical horsepower and while the turbine itself appears to be fairly efficient the means employed to transmit the power from the turbine to the pump and other equipment is very inefficient and it is doubtful if more than 2 horsepower are actually being applied to use.

This permit also grants a right to the use of water for irrigation, domestic and fish pond purposes. It was found that the water is being used for the different described purposes and that 8 acres have actually been irrigated.

Mr. Chas. E. Stricklin October 19, 1935

It is my recommendation, therefore, that a certificate be issued confirming the right to the use of 9.5 c.f.s. for the irrigation of 8 acres, domestic, fish pond and the development of 5.4 theoretical horsepower.

Respectfully submitted

V. S. Bovelle

VSB EL

14285

October 19, 1935

Mr. Chas. E. Stricklin
State Engineer
Salem, Oregon

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Mr. Chas. E. Stricklin October 19, 1935

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Respectfully submitted

V. S. Bovelle

VSB EL

14285

October 3, 1935.

Mr. H. Wallen,
Dorena, Oregon.

Dear Sir:

Your final proof of appropriation of water under Permit No. 10345 has been received in this office and found acceptable. Receipt is also acknowledged of the certificate recording fee of $1.00, for which I am enclosing my official receipt No. 19215.

An inspection of your project will be made by a representative of this office in the near future.

Yours very truly,

CHAS. E. STRICKLIN,
State Engineer.

By
V. S. Bovelle, Assistant.

LN
encl.

14285

October 16, 1934.

Mr. H. Wallen,
Dorena, Oregon.

Dear Sir:

This is to notify you that your application for an extension of time under your Permit No. 10545 has been given favorable consideration, and the time limit for complete application of water is being extended until October 1, 1935.

Yours very truly,

CHAS. E. STRICKLIN,
State Engineer.

By
V. G. Bovelle, Assistant.

LN

200—4-32

14285

PERMIT NO. .....

# APPLICATION FOR EXTENSION OF TIME

## FOR COMPLETE APPLICATION OF WATER

TO THE STATE ENGINEER OF OREGON:

I, H. Wallen, of Dorena,

State of Oregon, do hereby certify:

That I am the owner and holder of Permit No. 10345, to appropriate the public waters of the state of Oregon.

Under the terms and conditions of said permit, complete application of water was required to have been made by October 1, 1934

That I have heretofore made application of water under said permit to the following extent:

That I am unable to make the complete application of water within the required time, for the following reasons, to wit:

Water raised so high in the Rain-
y season in the Row river
I am afraid it will sweep
off my second dam I build this fall

WHEREFORE, I ask that the State Engineer extend the time for the complete application of water under said permit to July 1, 1935.

H. Wallen
Signature of Applicant

Bob Hilard Dorena ore
Signature and Address of Witness

RECEIVED
OCT 11 1934
STATE ENGINEER
SALEM, OREGON

14285

October 5, 1934

Mr. H. Wallen
Dorena, Oregon

Dear Sir:

This acknowledges receipt of your letter of October 1, with which you submitted the notice of completion of construction under your Permit No. 10345, and asking if you should fill out and submit Form C.

If the water has been fully applied to the uses proposed, I believe that you are entitled to make final proof and that you should fill out the form and submit it so that a form may be sent you for making final proof.

If the water has not been fully applied to the proposed use, you should submit an application for extension of time if you are interested in keeping the permit in good standing as the time limit for the complete application of water expired on October 1, also. I am inclosing a form for your convenience in submitting such an application in event that one is required.

Very truly yours

CHAS. E. STRICKLIN
State Engineer

By V. S. Bovelle, Ass't.

VSB EL

Dorena Oregon Oct. 1 1934

Mr. Chas. E. Stricklin
~~State~~ Engineer.
Salem, Oregon.



Dear Sir:

Enclosed please find notice of Compliction of Construction.

I got the dam as described in the permit. The water pump is smaller than I first figured.

One year ago I build a dam, but last year high water sweep it almost all off. I am afraid the high water, when it rises 15 — 20 ft.

might do the same trick again.

Shall I fill up the "Form 6 Notice of Complete application of water" and send to you?

Respectfully yours
H. Wallen.

October 3, 1933.

Mr. H. Wallen,
Dorena, Oregon.

Dear Sir:

It appears that you are exercising reasonable diligence in the prosecution of work under your Permit No. 10345 and that you are entitled to the extension of time requested in your application received in this office on October 2nd. I am therefore extending the time for completion of construction work under this permit until October 1, 1934, which date corresponds with the time limit as fixed in the permit for complete application of water.

Very truly yours,

CHAS. E. STRICKLIN,
State Engineer.

By
V. S. Bovelle, Assistant.

LN

A-14285

PERMIT NO. .....

# APPLICATION FOR EXTENSION OF TIME

## FOR COMPLETION OF CONSTRUCTION WORK

RECEIVED
OCT 2 1933
STATE ENGINEER
SALEM, OREGON

TO THE STATE ENGINEER OF OREGON:

I, H. Wallen, of Dorena,

State of Oregon, do hereby certify:

That I am the owner and holder of Permit No. 10345 to appropriate the public waters of the state of Oregon.

Under the terms and conditions of said permit, construction work thereunder was required to be completed by Oct 1, 1933.

That I have heretofore performed the following work described under said permit: Dam is almost completed and the water way down below is started.

costing $ 900.00, and the estimated cost of completion is $ 500.00.

That I am unable to complete the remainder of the work within the required time, for the following reasons, to wit:

It has been rainy 3-4 weeks and raised the water in the river so I am not able to work much before next summer

WHEREFORE, I ask that the State Engineer extend the time for the completion of works under said permit to Oct. 1, 1934

H. Wallen
Signature of Applicant

Oral C. Sallee, Dorena, Oreg.
Signature and Address of Witness

September 26, 1933

Mr. H. Wallen
Dorena
Oregon

Dear Sir:

This acknowledges receipt of your letter of September 22, in which you request an extension of time under your Permit No. 10345.

Before an extension of time can be granted under this permit it is necessary that we have information as to the amount of work already done and the cost thereof, and the amount remaining to be done to complete the project. A blank form for your convenience in submitting this information is inclosed. Upon its receipt in proper form the matter of granting an extension will be given consideration and you will be advised of our action in the matter.

Very truly yours

CHAS. E. STRICKLIN
State Engineer

By V. S. Bovelle, Ass't.

VSB KL

Dorena, Ore. Sept. 22 - 33

Mr. Elias E. Stricklin
Salem, Ore.

Dear Sir:

I have a permit no 10345 from you, dated Nov. 27 1931, to build a dam on Row river for irrigation. And I am asking now one year more time extension for the work which was supposed to be finish this fall.

14285

Respectfully yours
M. Wallen.

Add.
Dorena, Ore.

RECI

SEP 25 1933

STATE ENGINEER
SALEM, OREGON

July 27, 1932.

Mr. H. Wallen,
Dorena,
Oregon.

Dear Sir:

In your letter of July 23, you state that you have had some difficulty in the maintenance of your dam construction under Permit No. 10345 without the use of concrete, and you ask whether or not you are allowed to use concrete in building this dam.

So far as we know there would be no objection to the construction of any dam necessary in connection with your appropriation of water. It is possible that the Oregon State Game Commission would object to the construction of any dam which would obstruct the free passage of fish up and down the stream, or that some other interested parties might have objections to the construction of a concrete dam, but we do not consider that your Permit No. 10345 issued by this office requires you to construct any particular type.

Very truly yours

CHAS. E. STRICKLIN
State Engineer

By L. A. Stanley, Ass't.

LAS EL

Dorena, Ore. July 23 1932

STATE ENGINEER
RECEIVED
JUL 27 1932
SALEM, OREGON

Mr Chas. E. Stricklin
Salem, Ore.

Dear Sir

I began the dam work last fall and find out that the current is so swift in the river winter time that the loose rocks do not stay in the dam without concrete between them. Am I allowed to use some concrete to hold the rocks in my dam?

very truly Yours
H. Wallen.

November 27, 1931.

Mr. H. Wallen,
Dorena,
Oregon.

Dear Sir:

Herewith you will find Application No. 14285, Permit No. 10345, together with blue print.

This application has been approved and recorded in this office.

Dorena, Ore.
Oct. 2 1931.

Mr. Chas. E. Stricklin
Salem,
Oregon.

STATE ENGINEER
RECEIVED
OCT 5 1931
SALEM, OREGON

Dear Sir:

Enclosed please find the application and $1.50/100 in Money Order for the 6 horsepower feed, what I forgat to send you last time.

Yours very truly
H. Wallen.

September 24, 1931.

Mr. H. Wallen,
Dorena, Oregon.

Dear Sir:

This will acknowledge receipt of your Application No. 14285, together with your remittance of $9.50 as the balance of fees due. Receipt No. 14379 is enclosed.

Since you have made several changes in the application and have added the proposed development of 5 theoretical horsepower, I believe it advisable that you submit a new application rather than correct the original one. A new form has been prepared in this office which has been given the same date of priority, and is being returned for examination and signature.

Your letter states that you wish to use water for irrigation, domestic, supply for fish ponds and the development of 5 theoretical horsepower, and I have included these under Item 3 on the new form.

Theoretical horsepower is computed as being that amount of horsepower which the volume of water multiplied by the total utilized head and divided by 8.8 equals, volume (9) multiplied by head (6) and divided by 8.8 equals 6.1 horsepower, 8.8 being the mathematical constant derived from tests which have determined that 1 second-foot falling 8.8 feet will develop 1 horsepower.

You will note that I have filled out Item 10 with the exception of "d" and you should state in here what kind of water pump you intend to use.

Since you have included power under the application, it will be necessary that you submit some additional fees. The fees due on an application of this nature are as follows:

| | |
|---|---|
| Examination | $ 5.00 |
| Recording for domestic | 5.00 |
| Recording for irrigation | 4.50 |
| Development of 6 theoretical horsepower at 25 cents per horsepower | 1.50 |
| TOTAL | 16.00 |
| Amount Paid | 14.50 |
| BALANCE DUE | 1.50 |

The The application has been endorsed so that in order to retain its priority, it should be resubmitted with the balance of fees due within 30 days or on or before October 24th.

Yours very truly,

CHAS. E. STRICKLIN,
State Engineer.

By
V. S. Bovelle, Ass't.

VSB:LN
encl.

Dorena. Oregon
September 21, 1931

Mr Chas E. Stricklin
Salem,
Oregon.

Dear Sir:

Enclosed find $9.50/100 in money Order, balance for the application for water No 14285.

Thanks for correcting the Item 4. It is correct now.

My land lays 15 to 20 ft above Row river. In the item 10 I figure out that we need 9 second ft water, for the water turbin or water wheel

do pump the water 0.5-second ft. I asked in the item 3 for irrigation and domestic use.

I hope you understand me now.

Yours very truly,
H. Wallen.

September 5, 1931.

Mr. H. Wallen,
Dorena,
Oregon.

Dear Sir:

This will acknowledge receipt of your application for a permit to appropriate 0.5 second-foot of water from Row River for irrigation and domestic use, together with your remittance of $5.00 as fees. Receipt No. 14269 is enclosed.

Your application has been checked over and given No. 14265, and is being returned for completion. Under item 1 you should state what stream, if any, Row River is tributary to. It is apparent from the map that the description of your point of diversion should be 1800 feet South and 600 feet East from the NW corner of Section 19. You will note that I have made these corrections, and if they are correct kindly advise. A description of your ditch or pipe line should be given under items 5 and 8. I note you state under item 5 that the use to which the water is to be applied is irrigation and domestic use, and under item 10 you state that you intend to develop 5 theoretical horsepower using 9 second-feet of water and a total utilized fall of 6 feet. If you intend to develop electric horsepower, you must submit an application to the Hydroelectric Commission of Oregon for such development. The information given under item 10 of this application should be struck therefrom.

The fees due on an application of this nature are as follows:

| | |
|---|---|
| Examination | $5.00 |
| Recording for domestic | 5.00 |
| Recording for irrigation | 4.50 |
| Total | 14.50 |
| Amount paid | 5.00 |
| Balance due | 9.50 |

The application has been endorsed so that if it is to retain its priority it must be resubmitted within 30 days or on or before October 3rd.

Yours very truly,

CHAS. E. STRICKLIN,
State Engineer.

By
V. S. Bovelle, Ass't.

VSB:LN
Encls.

Dorena, Ore. Aug. 31-31.

Chas. E. Stricklin
Salem, Ore.

STATE ENGINEER
RECEIVED
SEP 1 1931
SALEM, OREGON

Dear Sir:

Enclosed find the application and $5:- in Money Order for examining it.

I own the West one half of the Northwest quarter of Section 19 Township 21 South of Range 1 West of W. M.

If build dam 5 ft. height, the water does not flood my neighbors property.

Very Truly Yours.
H. Wallen.

Permit No.....

# *APPLICATION FOR A PERMIT

# To Appropriate the Public Waters of the State of Oregon

I, H. Wallen (Name of applicant)

of Dorena (Postoffice), County of Lane,

State of Oregon, do hereby make application for a permit to appropriate the following described public waters of the State of Oregon, subject to existing rights:

If the applicant is a corporation, give date and place of incorporation .....

1. The source of the proposed appropriation is Row river (Name of stream)

....., a tributary of Willamette.

2. The amount of water which the applicant intends to apply to beneficial use is 0.5 cubic feet per second. 0.1 second foot for irrigation and 0.4 for fish pond (If water is to be used from more than one source, give quantity from each)

3. The use to which the water is to be applied is irrigation and domestic use. (Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located 1800 ft. ~~North~~ SOUTH (N. or S.) and 600 ft. ~~West~~ EAST (E. or W.) from the NW corner of Section 19 (Section or subdivision)

(If preferable, give distance and bearing to section corner)

(If there are more than one points of diversion, each must be described. Use separate sheet if necessary.)

being within the SW¼ NW¼ (Give smallest legal subdivision) of Sec. 19, Tp. 21 (No. N. or S.) N., R. 1 W (No. E. or W.), W. M., in the county of Lane.

5. The pipe (Main ditch, canal or pipe line) to be 300 feet (No. miles or feet) in length, terminating in the SW NW (Smallest legal subdivision) of Sec. 19, Tp. 21N (No. N. or S.), R. 1W (No. E. or W.), W. M., the proposed location being shown throughout on the accompanying map.

6. The name of the ditch, canal or other works is .....

## DESCRIPTION OF WORKS

DIVERSION WORKS—

7. (a) Height of dam 3 feet, length on top 15 feet, length at bottom 8 feet; material to be used and character of construction Loose rocks. (Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate ..... (Timber, concrete, etc., number and size of openings)

*A different form of application is provided where storage works are contemplated. These forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon.

CANAL SYSTEM OR PIPE LINE—

8. (a) *Give dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: width on top (at water line)* ..... *feet; width on bottom* ..... *feet; depth of water* ..... *feet; grade* ..... *feet fall per one thousand feet.*

(b) *At* ..... *miles from headgate: width on top (at water line)* ..... *feet; width on bottom* ..... *feet; depth of water* ..... *feet; grade* ..... *feet fall per one thousand feet.*

(c) *Length of pipe,* 300 *ft.; size at intake,* 5" *in.; size at* 25 *ft. from intake* 4" *in.; size at place of use* 4" *in.; difference in elevation between intake and place of use,* 15 *ft. Is grade uniform?* yes *Estimated capacity,* 0.5 *sec. ft.*

FILL IN THE FOLLOWING INFORMATION WHERE THE WATER IS USED FOR IRRIGATION—

9. *The land to be irrigated has a total area of* 25 *acres, located in each smallest legal subdivision, as follows:*

| Township | Range | Section | Forty-acre Tract | Number Acres To Be Irrigated |
|---|---|---|---|---|
| 21 | 1 | 19 | 2 | 25 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

(If more space required, attach separate sheet)

(a) *Character of soil* Sandy loam soil

(b) *Kind of crops raised* Irrigate the garden and orchard.

POWER OR MINING PURPOSES—

10. (a) *Total amount of power to be developed* 5 *theoretical horsepower.*

(b) *Quantity of water to be used for power* 9 *sec. ft.*

(c) *Total fall to be utilized* 6 (Head) *feet.*

(d) *The nature of the works by means of which the power is to be developed* Raise the water for irrigation, fish pond and other home use.

(e) *Such works to be located in* S. W ¼ N. W. (Legal subdivision) *of Sec.* 19, *Tp.* 21 N. (No. N. or S.), *R.* 1 W. (No. E. or W.), *W. M.*

(f) *Is water to be returned to any stream?* yes (Yes or No)

(g) *If so, name stream and locate point of return* Row river, *Sec.* 19, *Tp.* 21 N. (No. N. or S.), *R.* 1 W. (No. E. or W.), *W. M.*

(h) *The use to which power is to be applied is* Do turn the water pump and raise the water 15 to 20 ft up on the bank for irrigation.

(i) *The nature of the mines to be served* .....

MUNICIPAL SUPPLY—

11. *To supply the city of* .....

..... *County, having a present population of* .....
(Name of)

*and an estimated population of* ..... *in 193*.....

(Answer questions 12, 13, 14, and 15 in all cases)

12. *Estimated cost of proposed works, $* 50:—

13. *Construction work will begin on or before* Next Spring

14. *Construction work will be completed on or before* Next Summer

15. *The water will be completely applied to the proposed use on or before* next fall

H. Wallen.
(Name of applicant)

*Signed in the presence of us as witnesses:*

(1) ....., Albany Route
(Name) (Address of witness)

(2) ....., Albany Route
(Name) (Address of witness)

*Remarks:* .....

*STATE OF OREGON,*
*County of Marion,* } *ss.*

*This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for* .....

Completion and balance of fees.

*In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before* October 3rd, *193*1.

*WITNESS my hand this* 3rd *day of* September, *193*1.

CHAS. E. STRICKLIN
LN STATE ENGINEER

STATE OF OREGON, } ss.
County of Marion, }

# PERMIT

This is to ~~certify that I~~ have examined the foregoing application and do hereby grant the same, subject to the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed ..... cubic feet per second, or its equivalent in case of rotation with other water users, from .....

The use to which this water is to be applied is .....

.....

If for irrigation, this appropriation shall be limited to ..... of one cubic foot per second or its equivalent for each acre irrigated and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is .....

Actual construction work shall begin on or before ..... and shall thereafter be prosecuted with reasonable diligence and be completed on or before .....

.....

Complete application of the water to the proposed use shall be made on or before .....

.....

WITNESS my hand this ..... day of ....., 193.....

.....
STATE ENGINEER

Permits for power development are subject to the limitation of franchise as provided in section 5728, Oregon Laws, and the payment of annual fees as provided in section 5803, Oregon Laws.

*Application No.* 14285

*Permit No.*

PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF OREGON

*Division No.* ..... *District No.* .....

*This instrument was first received in the office of the State Engineer at Salem, Oregon, on the* 1st *day of* Sept., *193*1, *at* 8:00 *o'clock* A. M.

*Returned to applicant:* .....

*Corrected application received:* .....

*Approved:* .....

*Recorded in book No.* ..... *of Permits on page* .....

STATE ENGINEER

*Drainage Basin No.* 2 *Page* 47 A

*Fees Paid* .....

STATE ENGINEER
RECEIVED
SEP 1 1931
SALEM, OREGON

STATE ENGINEER
RECEIVED
SEP 2 1931
SALEM, OREGON