STATE OF WASHINGTON, }
COUNTY OF THURSTON. } ss.

This is to certify that I have examined the foregoing application and do hereby grant the same, subject to the following limitations and conditions: If for irrigation, this appropriation shall be subject to such reasonable rotation system as may be ordered by the State Hydraulic Engineer .....

.....

.....

The amount of water appropriated shall be limited to the amount which can be applied to beneficial use and not to exceed 2 *cubic feet per second, or its equivalent in case of rotation. The priority date of this permit is* August 13, 1919

Actual construction work shall begin on or before February 16, 1921 *and shall thereafter be prosecuted with reasonable diligence and be completed on or before* June 1, 1922

Complete application of the water to the proposed use shall be made on or before September 1, 1922

WITNESS my hand this 16th *day of* February, *19*20.

MARVIN CHASE
State Hydraulic Engineer.

This form approved by the State Hydraulic Engineer, 1917.

Application No. 316 *Permit No.* 122

PERMIT

To Appropriate the Public Waters of the State of Washington

Filed by Chas. V. & John H. Grunwell *County of* Ferry

This instrument was first received in the office of the State Hydraulic Engineer, Olympia, Washington, on the 13th *day of* August, *19*19, *at* 9:10 *o'clock* A. M.

Returned to applicant for correction January 23, 1920

Corrected Application received 2/10/20 *Approved* February 16, 1920

MARVIN CHASE
State Hydraulic Engineer.

Before your certificate of water right is issued it will be necessary for you to fill out and file with the State Hydraulic Engineer a copy of the following reports:

1st. Notice of water right application.
2nd. Notice to begin construction.
3rd. Notice of prosecution of work with diligence.
4th. Notice of completion of construction.
5th. Notice of application of water to a beneficial use.

Upon a satisfactory showing that the appropriation has been perfected as provided by statute the State Hydraulic Engineer will issue a water right certificate.

(Blanks will be furnished by the office of State Hydraulic Engineer.)

MUNICIPAL SUPPLY— 122

14. *To supply the city of* ..... (Name)

..... *County, having a present population of* .....

and an estimated population of ..... *in 19*.....

15. *Estimated present requirement*.....

16. *Estimated future requirement*.....

17. *Construction work will begin on or before* .....

18. *Construction work will be completed on or before*.....

Duplicate maps of the proposed ditch or other works, prepared in accordance with the rules of the State Hydraulic Engineer, accompany this application.

Charles V. Grunwell
(Name of Applicant)

John H. Grunwell

Signed in the presence of us as witnesses:

(1) Michael Morris (Name), Danville, Wn. (Address of Witness)

(2) Ernest Short (Name), Danville, Wn. (Address of Witness)

Remarks:.....

STATE OF WASHINGTON, } ss.
COUNTY OF THURSTON. }

This is to certify that I have examined the foregoing application (*Received* Aug. 13, 1919 (Date)
together with the accompanying maps and data, and return the same January 23, 1920 (Date of return)
for correction or completion as follows: Fill in Sections 10 and 11

In order to retain its priority, this application must be returned to the State Hydraulic Engineer, with corrections, on or before February 23, *19* 20.

WITNESS my hand this 23rd *day of* January, *19* 20.

MARVIN CHASE
State Hydraulic Engineer.

The flume has the same dimensions thruout its entire length, to wit; bottom constructed of two plank 2" x 12" ea; sides of 2" x 12" ea. In consequence of which the inside dimensions of flume is 20" wide at bottom, same at top and sides 12" high each.

The average grade thruout entire length of flume is about 12 feet fall per 1000 feet.

feet; width on bottom ..... *feet; depth of water* ..... *feet;*

grade ..... *feet; depth of water* ..... *feet;*

grade ..... *feet fall per one thousand feet.*

FILL IN THE FOLLOWING INFORMATION WHERE THE WATER IS USED FOR:

IRRIGATION—

11. *The land to be irrigated has a total area of* about 100 acres *acres, described as follows:* lies in Secs. 13, 14 & 23, Township 40 N., R. 34 E., (Give legal subdivision by section, township and range) Willamette Meridian. Described as valley land starting from precipitous slope at the base of one hill and ending in gentle incline at base of mountain opposite.

(If more space is required, attach separate sheet)

DUTY OF WATER—

12. *Character of soil: Depth* about 1½ feet, *sandy* ....., *volcanic ash* yes, *loam* ....., *clay* subsoil, *Etc.* .....; *Annual precipitation* 19 *inches, precipitation during growing season* 8 *inches; Depth of irrigation water required* 3 acre feet per acre (Expressed in feet or inches)

POWER, MINING, MANUFACTURING, OR TRANSPORTATION PURPOSES—

13. (*a*) *Total amount of power to be developed* ..... (Theoretical horsepower) *H. P.*

(*b*) *Total fall to be utilized* ..... (Head) *feet.*

(*c*) *The nature of the works by means of which the power is to be developed* .....

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

(*e*) *To what stream is the water to be returned* .....

(*f*) *Locate point of return* ..... *Sec.* ....., *Tp.* ..... (No. N. or S.), *R.* ..... (No. E. or W.) *W. M.*

(*g*) *The use to which power is to be applied is* .....

Cert. # 31
issued Feb. 17 1922

*Permit No. 122

APPLICATION FOR A PERMIT

To Appropriate the Public Waters of the State of Washington

I, We, Charles V. and John H. Grunwell (Name of Applicant),

of Danville (Postoffice), County of Ferry,

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

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

1. The source of the proposed appropriation is Lone Ranch Creek (Name of stream),

tributary of none

2. The amount of water which the applicant intends to apply to beneficial use is two cubic feet per second.

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

4. Time during which water will be required each year April first to October first

5. The approximate point of diversion is located in the S.W. quarter of the (Give distance and bearing to section corner) N. W. Quarter section of Section 24, Township 40 north of Range 34 east of Willamette Meridian, Ferry County, Washington

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

6. The flume (Main ditch, canal or pipe line) to be about ¼ miles in length, terminating in the N.E.¼, S.E.¼, & S.W.¼ (Smallest legal subdivision) of Secs. 23, 14 & 13, Tp. 40 N. (No. N. or S.), R. 34 E. (No. E. or W.), W. M., the proposed location being shown throughout on the accompanying map. as said Sections are shown on a plat made by Geo. C. Campbell & on file in the office of the Surveyor General, Olympia, Wash.

7. The name of the ditch, canal or other work is

8. Estimated cost of development necessary to fully utilize the appropriation herein asked for $ about $500.00

DESCRIPTION OF WORKS.

DIVERSION WORKS—

9. (a) Height of diversion dam 1½ feet; length on top about 18 feet; length at bottom same feet; material to be used and character of construction logs placed parallel & across stream - filled in between with brush, (Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam) dirt, rocks, etc. water to run over dam

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

* When storage works are contemplated a storage permit must be filed in addition to the above. These forms can be secured, together with instructions, by addressing the State Hydraulic Engineer, Olympia, Washington.