## \*Enlargement Permit No. 159 CTATE NO. 962 APPLICATION FOR A PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF OREGON

-,	Isaac L How (Name of Applicant)	ard		· · · · · · · · · · · · · · · · · · ·
of	Ione (Postoffice)	, Coun	ty of	Morrow
State of		, do hereby make	application	n for a permit to appropriate
following	described public waters of	of the State of Oregon	ı, subject to	existing rights.
If the	applicant is a corporation	on, give date and place	e of incorp	ooration
1. Th	e source of the proposed	appropriation is	illow Cree	ek, a tributary of the Col
2. Th	e appropriation to be m	ade by the enlargeme	nt (or exte	ension) of
Pett	teys, Hammer and Howa			
owned by		ive name or canal or works t die Hammer and Isa		rd
	e amount of water which	ch the applicant inten	ds to $apply$	y to beneficial use is
. 56	cubic feet per secon	d, which amount is in	addition to	the present claimed approprie
4. Th				(Irrigation, power, r
	g, domestic supplies, etc.)	rigation	••	
_	and Description of Ditch			
	) The point of diversion per between Sections			(Give distance and bearing to section of W. M.
(b	\ The headaate is located	d within the SE4 NE	1	
			(Smallest le	egal subdivision)
of Sec	Tp.	No. N. or S.)	(No. E. or	W. $M$ ., in the coun
Мс	orrow	······································		•
(c)	) Said Ditch	is about 2	m	tiles in length and terminates i
SW2 of	SE <del>2</del>	f Sec	, Tp	S , R. 24 E
				•
	te proposed location bein			
(a. lino)	Ditch fully described feet; width or	d in original apple bottom	the nead lcation feet; de	gate are: Width on top (at a
, , , , , , , , , , , , , , , , , , ,				
	feet fall per	r 1000 feet, having $\epsilon$	i maximum	saje capacity of
grade	feet fall per per second.	r 1000 feet, having o	i maximum	saje capacity of
grade cubic feet	per second.			
grade cubic feet (e)	per second.	to irrigate the follow	ving describ	bed land: My own land 103.4
grade cubic feet (e)	per second. ) Said ditch now serves Eddië A Hammer Land	to irrigate the follow	ving describ	bed land: My own land 103.4
grade cubic feet (e)	per second.  ) Said ditch now serves  Eddie A Hammer Land  (If not used for irrigation, give	to irrigate the following 40 a. and A C Pe	ving describetteys Lan	bed land: My own land 103.4
grade cubic feet (e)	per second.  Said ditch now serves Eddie A Hammer Land  (If not used for irrigation, give	to irrigate the following 40 a. and A C Per purpose for which said ditc	ving describetteys Lan	bed land: My own land 103.4 ad 29 A. at of power developed, mines served, etc.)
grade cubic feet (e)	per second.  ) Said ditch now serves  Eddie A Hammer Land  (If not used for irrigation, give	to irrigate the following 40 a. and A C Pe	ving describetteys Lan	bed land: My own land 103.4 ad 29 A. at of power developed, mines served, etc.)
grade(e)	per second. ) Said ditch now serves Eddie A Hammer Land (If not used for irrigation, give	to irrigate the following 40 a. and A C Per purpose for which said dite	ving describetteys Lan	bed land: My own land 103.4  id 29 A.  it of power developed, mines served, etc.)
grade(e)	per second. ) Said ditch now serves Eddie A Hammer Land (If not used for irrigation, give	to irrigate the following 40 a. and A C Per purpose for which said dite	ving describetteys Lan	bed land: My own land 103.4 ad 29 A. at of power developed, mines served, etc.)

(g) The diversion works of said ditch are described as follows:  of bed at point heretofore mentioned  (If are, give character of dam, beight, keepin on top and bottom; spillway ever or around dam)  Description of Proposed Enlargement—  6. (a) The diversion dam, after enlargement  Will remain unchanged  (Will remain unchanged  (Will remain unchanged  (Will remain unchanged  (Will remain unchanged  (b) The dimensions of ditch just below the headgate, when enlarged to be: Width on top (a)  Same as the ditch now in.  feet; width on bottom.  feet; width on bottom.  feet; width on top (at water line)  feet, width on bottom  feet, depth of water  feet, including the miles from headgate: Width on top (at water line)  feet, or feet, feet fall per 1000 feet.  (c) At.  miles from headgate: Width on top (at water line)  feet, feet, feet fall  per 1000 feet.  (in: tarther dimensions at point when changed in dimensions)  There will be no change in any part of the ditch  (d) The ditch or canal as enlarged to be  miles in length, terminating in headgate work to attend to the proposed extension is located  (d) The ditch or canal as enlarged to be  fill in the Following Information, where the Water Appropriated is to be Used for:  rigation—  (if prepased work to extension at the original ditch or a ditch capting surve, locate by the to Government corner)  Fill in the Following Information, where the Water Appropriated is to be Used for:  rigation—  (if prepased work to extension at the original ditch or a ditch capting surve, locate by the to Government corner)  Fill in the Following Information, where the Water Appropriated is to be Used for:  rigation—  (if prepased work to extension at mailest legal subdivision or enlargement has a total area of  3.70, 18, 2, 24 is 20, 24 a. and SW2 of SP2 anne Sec. 12, 37 a.  ((if more space required, attach expanse sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed horses.	(f) The total area	now irrigated from	said ditch is	205	acres.
Clescription of Proposed Enlargement—  6. (a) The diversion dam, after enlargement.  7111 remain unchanged.  7121 remain unchanged.  7131 remain unchanged.  7131 remain unchanged.  714 changed, give beight, length, character of material, etc.)  (b) The dimensions of ditch just below the headgale, when enlarged to be: Width on top (an Same as the ditch now 1a.  715 same as the ditch now 1a.  716 set; width on bottom.  716 feet; depth of water feet, grade.  717 feet, miles from headgale: Width on top (at water line).  718 feet; depth of water feet; grade.  718 feet; depth of water feet; grade.  718 feet; depth of water feet; grade.  718 feet; will be no change in any parts of the ditch.  (d) The dilch or canal as enlarged to be.  718 miles in length, terminating in length, terminating in feet.  (d) The head of the proposed extension is located.  (if proposed work is extension of the original ditch or a ditch tapping mans. locate by the to Covernment corner)  Fill in the Following Information, where the Water Appropriated is to be Used for:  rrigation—  7. The lend to be irrigated by the proposed extension or enlargement has a total area of state areas, located in each smallest legal subdivision, as follows:  11 SEQ of JEQ of SEC 3D, 18	(g) The diversion	works of said ditch	are described as	follows: ditch to	aps creek at bottom
Description of Proposed Enlargement—  6. (a) The diversion dam, after enlargement.  Will remain unchanged  It changed, give bright, length, character of material, 40.)  (b) The dimensions of dilch just believe the headgate, when enlarged to be: Width on top (at Same as the ditch now is.  feet; delth on bottom.  feet; depth of water feet; depth of water feet; depth of water feet, order feet fell per 1000 feet.  (c) At.  miles from headgate: Width on top (at water line) feet; depth on water feet; depth on water feet; grade feet fell per 1000 feet.  (d) The Top will be no change in any pert of the ditch.  (d) The ditch or canal as enlarged to be miles in length, terminating in the feet fell of the proposed extension is located for the proposed extension is located for the proposed extension is located for the head of the proposed extension is located for the fell will be for the original ditch or a ditch capping same, locate by its to dovernment corner)  Fill in the Following Information, where the Water Appropriated is to be Used for:  rigation—  7. The land to be irrigated by the proposed extension or enlargement has a total area of feet.  3.3.1 acres, located in each smallest legal subdivision, as follows:  10 SE\$ or			·· ·····	m· spillway over or ar	ound dam)
Description of Proposed Enlargement—  6. (a) The diversion dam, after enlargement.  Will remain unchanged  Will remain unchanged  Will remain unchanged  (will remain unchanged  Will remain unchanged  (b) The dimensions of ditch just below the headgate, when enlarged to be: Width on top (a Same as the ditch now is.  outer line).  feet; depth of water.  feet, depth of water feet, and feet; depth of water feet, and feet; width on bottom.  feet; depth of water.  feet; grade.  feet fall per 1000 feet.  (c) At.  miles from headgate: Width on top (at water line).  feet fall per 1000 feet.  (d) The ditch or canal as enlarged to be.  miles in length, terminating in head of the proposed extension is located.  (d) The ditch or canal as enlarged to be.  (d) The head of the proposed extension is located.  (f) The head of the proposed extension is located.  (f) The head to be irrigated by the proposed extension or enlargement has a total area of feet.  The land to be irrigated by the proposed extension or enlargement has a total area of feet.  (Give enimated irrigable acreage in each smallest legal subdivision), as follows:  In Sh of Jr 2 of Sec.  Tp. 1 S. R. 24 is 20.94 a. and SW of Sh same Sec. 12.37 a.  (Give enimated irrigable acreage in each smallest legal subdivision or had widely it is proposed to triggets)  Ower, Mining, Manufacturing or Transportation Purposes.  8. (a) Total amount of power to be developed.  (b) Total fall to be utilized.  feet.	(11 dily) give chart				
Description of Proposed Enlargement—  6. (a) The diversion dam, after enlargement.  Will remain unchanged  (will remain unchanged  (it changed, give beight, legath, changer of material, etc.)  (b) The dimensions of ditch just below the headgate, when enlarged to be: Width on top (at Same as the ditch now is.  [set; width on bottom					·····
### Will remain unchanged  Feet, when enlarged to be: Width on top (at water line) feet, grade feet fall per 1000 feet.  (c) At miles from headgate: Width on top (at water line) feet, grade feet fall per 1000 feet, and the substitute of feet, grade feet fall per 1000 feet, and the feet fall per 1000 feet feet, grade feet					;
### Will remain unchanged  Feet, when enlarged to be: Width on top (at water line) feet, grade feet fall per 1000 feet.  (c) At miles from headgate: Width on top (at water line) feet, grade feet fall per 1000 feet, and the substitute of feet, grade feet fall per 1000 feet, and the feet fall per 1000 feet feet, grade feet					
Will remain unchanged  Will remain unchanged  (Will remain unchanged  (Will remain unchanged  (Will remain unchanged  (It changed, give height, length, character of material, etc.)  (b) The dimensions of ditch just below the headgate, when enlarged to be: Width on top (at Same as the ditch now is. cater line)	Jescription of Proposed E	nlargement—			
(b) The dimensions of ditch just below the headgate, when enlarged to be: Width on top (as same as the ditch now is.  Same as the ditch now is.  feet; width on bottom				·	(Will remain unchanged,
(b) The dimensions of ditch just below the headgate, when enlarged to be: Width on top (as same as the ditch now is. feet; depth of water feet, feet, feet, beet, beet, beet, beet, beet, beet, feet,					
(b) The dimensions of ditch just below the headgate, when enlarged to be: Width on top (an Saure as the ditch now is.  water line)					
Same as the ditch now is.  feet; width on bottom			······································		·
rader line)			the headgate, u	when enlarged to be	e: Width on top (at
(c) At			n	feet; depth of wate	rfeet;
ridth on bottom	radefeet	fall per 1000 feet.			
(d) The ditch or canal as enlarged to be	(c) At	miles from head!	gate: Width on	top (at water line)	feet;
There will be no change in any part of the ditch  (d) The ditch or canal as enlarged to be	vidth on bottom	feet; depth of u	vater	feet; grade	feet fall
(d) The ditch or canal as enlarged to be	er 1000 feet,				
(d) The ditch or canal as enlarged to be	·	(Give further d	imensions at points w	here changed in dimensi	
(d) The ditch or canal as enlarged to be					
(Give smallest legal subdivision)  (e) The head of the proposed extension is located	(d) The ditch or				
(Give smallest legal subdivision)  (e) The head of the proposed extension is located	he	of 'Sec	, Tp	, R.	, W. M.
Fill in the Following Information, where the Water Appropriated is to be Used for:  rrigation—  7. The land to be irrigated by the proposed extension or enlargement has a total area of	(Give smallest legal subd	livision)			
Fill in the Following Information, where the Water Appropriated is to be Used for:  rrigation—  7. The land to be irrigated by the proposed extension or enlargement has a total area of				•	٦
7. The land to be irrigated by the proposed extension or enlargement has a total area of					
7. The land to be irrigated by the proposed extension or enlargement has a total area of			/	·	·
7. The land to be irrigated by the proposed extension or enlargement has a total area of		ng Information, whe	re the Water Ap	propriated is to be	e Used for:
3.31 acres, located in each smallest legal subdivision, as follows: In SE <sup>1</sup> of SE <sup>1</sup> of Sec  3 Tp. 1 S. R. 24 is 20.94 a. and SW <sup>1</sup> of SE <sup>1</sup> same Sec. 12.37 a.  (Give estimated irrigable acreage in each smallest legal subdivision of land which it is proposed to irrigate)  (If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed horsepower.  (b) Total fall to be utilized feet.					
3 Tp. 1 S. R. 24 is 20.94 a. and SW to of SE to same Sec. 12.37 g.  (Give estimated irrigable acreage in each smallest legal subdivision of land which it is proposed to irrigate)  (If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed					
(Give estimated irrigable acreage in each smallest legal subdivision of land which it is proposed to irrigate)  (If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed	acres, located in	each smallest legal	subdivision, as	follows:	ar or sprag or pag
(If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed					elgata)
(If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed	(Give estimated irrigable acrea	ige in each smallest legal s			ingate)
(If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed					
(If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed			**		-
(If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed				***************************************	
(If more space required, attach separate sheet)  Power, Mining, Manufacturing or Transportation Purposes—  8. (a) Total amount of power to be developed				······································	
8. (a) Total amount of power to be developed	<u> </u>				
8. (a) Total amount of power to be developed	Daniel Maria	T	D		
(b) Total fall to be utilizedfeet.		_	-		, •
	8. (a) Total amount of	of power to be devel	toped		horsepower.
$\cdot$	(b) Total fall to be		feet.		

700

located in	, Sec, R, W. M
	r is to be applied is
	, we to be applied to
	be served
Municipal Supply—	,
	ving a present population of
estimated future population of	in 19
10 Estimated and of the mannered	antonoiae an anlangament d
	extension or enlargement \$
	leted on or before
13. The water will be completely app	plied to a beneficial use on or before
Duplicate maps of the original canal	or other works, showing also the enlargement or extension, pre
pared in accordance with the rules of the	he Board of Control, accompany this application.
	Isaac L Howard
	Isaac L Howard (Name of Applicant)
	Isaac L Howard  (Name of Applicant)
Signed in the presence of us as witn	Isaac L Howard (Name of Applicant)
(1) C E Woodsen	Isaac L Howard  (Name of Applicant)  nesses:
(1) C E Woodsen  W O Minor (Name)	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (2)(Name)  Remarks:	Isaac L Howard  (Name of Applicant)  Nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (2)(Name)  Remarks:	Isaac L Howard  (Name of Applicant)  Nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  Nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  Nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  Nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)
(1) C E Woodsen  W O Minor  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)  S.  ned the foregoing application, together with the accompanying or correction or completion, as follows:
C E Woodsen  W O Minor  (2)  (Name)  Remarks:  STATE OF OREGON,  County of Marion  This is to certify that I have examinates and data, and return the same for	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  Heppner, Ore  (Address of Witness)  (Address of Witness)  S.  ned the foregoing application, together with the accompanying or correction or completion, as follows:
(1) C E Woodsen  W O Minor  (2) (Name)  Remarks: (Name)  STATE OF OREGON,  County of Marion  This is to certify that I have examinate maps and data, and return the same form.  In order to retain its priority, the same form.	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  (Address of Witness)  (Address of Witness)  S.  ned the foregoing application, together with the accompanying or correction or completion, as follows:  his application must be returned to the State Engineer, with
(1) C E Woodsen  W O Minor  (Name)  Remarks:	Isaac L Howard  (Name of Applicant)  nesses:  Heppner, Ore.  Heppner, Ore  (Address of Witness)  (Address of Witness)  S.  ned the foregoing application, together with the accompanying or correction or completion, as follows:

•	Enlargement Permit	No. 159	
	PER	RMIT	-
	To appropriate the	public waters of the f Oregon	
	Division No. 2	District No.	í
		vas first received in the incer at Salem, Oregon,	
	on the 20 day of	December ,	
	19_12, at8:00_o'c Returned to appli	•	
	Corrected applicat	ion received	
	Approved	·	
	Feb 6 1913		•
	Recorded in Book	No. 1 of Enlargements	
	on Page		
	John H Lew	is	
	DRM HCB 1 map	8.10 State Engineer	
		• •	
STATE OF OREGON,  County of Marion	ss.		
,	,		
		The appropriation f	do hereby grant the same, for irrigation purposes
subject to the following limited to	one-eightieth of one	cu. ft. per sec . f	for each acre irrigated.
	hall conform to any	reasonable rotation s	sytem ordered by the prope
State officers. T	he priority dat/of the	nis permit is Decembe	er 20, 1912
	appropriated shall be lin	rited to the amount which	h can be applied to beneficial or its equivale
			per second. in case of rota
Actual construction wor	k shall begin on or before	February 6, 191	4 tion
and shall thereafter be pro	osecuted with reasonable	June 1 1914	ted on or before
Complete application of	the water to the propos	October 1, 1914	on or before
WITNESS my hand thi	8. 6th	day of February	
		John H <b>Lewi</b> s	
			$State\ Engineer.$

2708

Application No.