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Irrigation Company's "North Canal" Operations to Cost \$150,000--Means Big Expenditure in Bend and Monthly Payroll of \$17,000

With the construction of the great-itains

est irrigation diversion dam in Orebuilding of laterals.

in April and by the first of Septem- fered with. her it will be finished, according to

the statement of Contractor L F. Gerdetz. The dam is located less Deschutes river

lowest point of excavation to the ward of one and one-fourth-to one. crest where the water will flow over The depth is 9 feet 2 inches. The it is 40 feet. The extreme length of intake will be 35 feet wide. the semi-circular mass of concrete is 300 feet. At the bottom the thick- will be 1000 second feet-at first ness of the dam is 27 feet and at the not more than 400 second feet will top 6 feet. On each side of the stream be diverted and carried to the Pilot the rocky banks form a natural bar- Butte canal. The flow will be swift rier, and down to solid rock in the river bed the foundation of the dam is laid, making it an impregnable water which it will impound.

Backwater from the dam will Sating vast tracts of land is en rungon, the Central Oregon Irrigation reach as far up the river as the pres- ove. Company is preparing to water some ent power house of the Bend Water, 18,000 more acres of Crook coun- Light & Power Co. The Central Ore- the waste that goes over the dani can ty land. The cost of the North Ca- gon Irrigation Co. holds from the be utilized for , ower. The 40 foot nal dam and the 7460 feet of concrete state right to back water up to a fail over the dam can be made to lined canal leading from the dam to point having an elevation above sea produce a large horsepower, and by the old Pilot Butte will be \$150,000. level of 3591 feet. The top of the Some \$200,000 more will probably, dam has an altitude of 3588 feet, within the next few years, be spent and Contractor Gerdets says that at on the extension of the system by the no time will the backwater reach sibilities can be multiplied. more than 3590 feet, the rights of

Work on this project was begun no other water claimants being inter-

The canal into which the water impounded by the dam will be turned the opposite side. The flume of the will be 7460 feet in length-nearly a Deschutes Reclamation and Irrigathan a mile below Bend, at a point mile and a half-and every foot of it tion Co. ran along the east bank of the equal of which is hardly to be will be concrete lined, at a cost for the river and it was necessary to cut found elsewhere in the state except the concreting alone of \$9 per cubic this. To take care of the settlers, at some other point on the mighty yard. The lining will be six inches thick.

The height of the dam from the bottom is 12 feet, with a slope up-

The capacity for carrying water a velocity of 10 feet per second. Many Power Possilflitles.

Some 6000 feet from the intake, structure that will stand like ada- the water in the canal will drop 20 mant against the great weight of feet and just as it enters the Pilot Butte here will be a fall of 5 feet.

The dam will be provided with With the 1000 second feet flowing. four gates through which the water these two falls will furnish 3000 hpmay pass at any time by the adjust- using the water not only for irriga-

temporarily, a flume was built across The width of the canal at the the river and around the construction work, then back to junction with the old part below. The building of the settlers whose lands are watered by been signed by the C. O. I. Co. where-

month for provisions, lumber, hard-

A large camp is being muintained at the construction works. A spur track was built from the railroad. landing all the building material

right at the point where it is used.

The machinery of Contractor Ger-

detz includes two coperate mixers,

six donkey engines, six derricks,

three rock chrushers, steam drill, etc.

crushed lava, the supply of which is

exhaustless. Tests which Mr. Ger-

detz had made showed it to be with-

out a superior for this work, being

The possibilities of this project

in addition to the horsepower

for producing power as well as irri-

derivable from the canal water, all

construction of a flume on the west

side of the river and untrying the water a short distance these post-

In constructing the dam, work was

begun on the east aide of the river.

a temporary dam diverting the en-

tire amount of water in the river to

The rock in the concrete work

very hard and with sha.p edges

ware and other things.

by it is to deliver into the Swalley and well furnished. flume all the water required by the irrigation system. This will be accompliahed by a pool or hasin below the dam, into which the waste water will be turned.

Other Irrigation Work.

Exclusive of the North Canal ex- 1y, very little interest in equal sufsenditures, the irrigation company frage, locally. is doing a lot of work now improvnow employed regularly by the comis not less than \$10,000, and as much and practically all of it goes to farm- thusiasm ers who are on the lands of the segregation, it is apparent what a benefit such an expenditure is to the com-

munity at large. Thus far this season, says Manager Roscoe Howard, some 50 miles tributed and posters have been placed of laterals have been completed and are in course of construction.



As necessity was the mother of invention so was it also the primary

cause for the existence of the Bond A Bend resident must Hospital. have surgical treatment and that the patient had no money and could surgical aid, hence the starting of other crops are looking good this August 20, 1909, the Sisemore cut- portant industry here. Chickens tage on Oregon street, which had been used as a dwelling house, was into the Central Oregon canal, to wa- rented. It was thoroughly cleaned dry weather during winter being well deed to its present property from the ety. ter more land cast of town, where and disenfected and one room was suited to poultry producing. There Pilot Butte Development Co. fitted up for an operating room. On is considerable government land yet

ed labor. The business life of Bend the people of the interior, which has has received a great impetus this in more than one instance saved a summer from the construction of this life that would have been lost had the In addition to the money patient been compelled to go further which the laborers have spent, and than Bend for surgical aid or hospiwill spend, here, the contractor has tal care distributed in town about \$2500 a

THE BEND BULLETIN, BEND, WEDNESDAY, JULY 3, 1912.

The business of the hospital has

FIRST HOSPITAL HABY.



Marjorie Belly Smith and Her Nurse, Mrs. G. W. Hall,

outgrown its present quarters and dam permanently puts out of com- plans for a new building are well unmission the Swalley flume, but the der way. The new building will probably be finished within a year It will not suffer. A contract has and will be modern and up to date in every particular, completely equipped



By M. MYRTLE BROWN.

Until recently there was, apparent-

In May Mrs. Sara Baird Field Ehring its system. About 100 men are gott visited Bend and delivered several loctures. The audience which pany. The average monthly pay roll greeted her upon her arrival was small and unresponsive, but with of this is spent in the vicinity of Bend each meeting the attendance and enincreased until they amounted to an ovation.

Later an Equal Suffrage League was formed in Bend, with a goodly number of charter members. Considerable litefature has been disin prominent spots.

While the local league was not represented at the congress of leagues which convened in Portland on June 7, greetings were wired to be read to the convention.

As a result of a number of things which have happened recently, many serious minded mothers who were. they thought, opposed to equal suffrage, realize that this is the only possible chance for a solution of many problems that vitally concern



Many Churches Prosper in Bend

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by

since its crection.

G. W. Triplett, E. A. Ammons, John

church eight years ago are membera

now, and they are non-residents.

There has been a constant procession

the present membership is about the

same in number as it was eight years

hard struggle to get a meeting house,

but finally, with the cooperation of

the Oregon Raptist State Convention

and the American Baptist Home

Mission Society, the church was built.

The church building has been used

practically all denominations

Different clergymen supplied the

pulpit more or less regularly for.

church secured a settled pastor, Rev. .

Rev. H. B. Fonkett, Field Secre-

tary of Oregon, has been pastor since

fiend, except to fill his Sunday ap-

pointments twice a month, but he has now moved his office to liend

and will give at least half of his

time to the work here until a pastor

CATHOLIC.

The first services of the Roman

some years till in January, 1911, the

C. M. Cline, who served a year.

At the outset the church had a

of members, coming and going and a

Only three persons who joined the

Barnes and T. W. Triplett.

PRESBYTERIAN.

Rev. B. F. Harper, now living at Milton, Ore., was the first minister of any depomination to preach the Gospel on the Deschutes river. He is a Prosbyterian and was then acting under the auspices of the Board of Missions as a Sunday School missionary. He visited Bend in that capacity and organized a Bunday School in the old log school house still standing. The Sunday School was organized, about January 1. 1902. Rev. Mr. Harper, however, held services occasionally as early as November, 1900. The first Sunday School superintendent was Levi D. Wiest, who has been more or less prominent in the moral and religious life of Bend through all these years. This Sunday School was well at-tended and represented fully 75 per

cent of the young people of this community, which condition lasted for a number of years. This was the union Sunday School and with unbroken the first of the year. For some time continuity is represented by the union Sunday School now held in the Baptiat church. Rev. W. H. Hall, D. D. of Berland, School now held in the him to various parts of the state so he could spend but little time in D. D., of Portland, Ofe., came to Bend in June, 1903, and organized the present Presbyterian church, which was the first denominational organization on the Deschutes river. by electing a board of trustees and can be secured.

securing articles of incorporation, now on file with the Secretary of State.

At this time regular services were Catholic church in Bend were held in instituted and have been maintained private houses in 1904, dev. Pattwith a degree of regularity ever since.

Rev. Mr. Alter, now of Pennavi- or Hickey officiating. When the pubvania, was the next minister, being lie school moved into its present succeeded by Rev. Mr. Commoford, quarters in 1006, the old building be-living in Portland, Ore., at this time, came the property of the church, and Rev. J. A. Mitchell, who is buried since has been used as a place of worship. For some time the priest in the Bend cometery, succeeded Mr. came but twice a year, until in 1909 Commoford. In this connection it. might be interesting to state that the Father Luke Sheehan became realearlier Sunday School superintend- dent priest. Father Butler is located ents were I., D .Wiest, S. H. Dorrance here now.

and Dr. W. S. Nichol, who was succeeded by S. C. Caldwoll, a business man still living in Bond.

Rev. I. 1. Gorby, Ph. D., a member of the Presbytery of Chicago, came to O'Donnell, K. D. Mcintosh and Geo. Bend in October, 1911, and during Brosterhous. his ministry here considerable progress has been made. A Presbyterian Ladies' Guild has been organized land near the water lower, acquired with a membership of some 15 in 1905. Affiliated with the church Funds have been secured is the Ladies' Altar Society. toward the erection of a new church

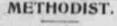
on lots given by the Bend Co.; the are: church has been fully organized by Mrs. H. W. Skuns, secretary. the election of a session and board of

trustees and a thorough canvans has been made showing a large Presbyterian constituency in Hend, About 12 years ago the first scrthe largest, perhaps, of any denomimon by a Methodist minister was

preahed in Bend, in the log school-The session, consisting of Rev. Dr. house, by Rev. Mr. Gowan, Since Gorby, moderator; L. D. Wiest, C. 8. that time services by ministers of this Benson and Chas. D. Rowe, clerk, is denomination have been held more or very hopeful for the spiritual welfare less regularly, and at present the loof the Presbyterian church in Bend, cal Mathodists have a regular pastor. The trustees, consisting of L. B. Rev. J. E. Williams, who also serves Baird, John H. Bigener, C. S. Hud- the Prineville congregation, preaches son, W. B. Seilers, F. O. Minor, Dr. here every alternate Sunday. The U? C. Cos and C. S. Henson, at a Methodists do not have a church precent meeting organized by electing building, but plans are under way for Dr. U. C. Coe, president, C. S. Hud- the erection of one on Ohio street,

This portion of lifehop Riley's diocese is under the administration of the Franciscan fathers. The church committee is composed of Barney The church owns its building, which stands on rented ground, and also owns an acre of

The officers of the Altar Society Mrs. Hugh O'Kane, president;



ladies.

nation

the home.



ment of levers. When the moun- tion, but also to generate electricity soon or remain deprived of health tains of snow that feed the river be- to turn the wheels of various indus- for the remainder of a miserable life- Hampton Butte, in township 26, in making preparations for the gin to waste away in the warm sun- tries. When completed, there will time. The patient's home was not a south, range 20 east, is a territory building. ahine of June and the liberated wa- have been 50,000 cubic yards of ex- auitable place in which to perform a known as the Dry Lake district. ters seek a passage to the sea through cavation work done on the canal, major operation, and furthermore Improvements in that neighborhood the tortuous bed of the Doschutes, mostly rock, and for the lining there will be no danger of the dam 4500 cubic yards of concrete will not go to Portland or elsewhere for giving way or flooding the country- have been poured. these big spillways which the engi-When the water is delivered to the the hospital.

neers have provided will be opened Pilot Butte canal, most of that now to care for the surplus flow, and running past Band to irrigate the over the crest of the dam will pass acreage north of here will be turned only the normal amount of water. Much Material Usedi

bic yards of stone will have been get all they needed. moved, while 5509 cubic yards of Construction of the dam and caual formed. On September 14 the next There is a school in the districoncrete will have been poured to was begun in April and has been car- case came with the arrival of Mar- and this fall a school house will be place of T. W. Triplett. make this greatest of all barriers that ried on steadily ever since, with a jorie Belle Smith, a 12-pound baby, built, Oregon has for the impounding of large force of men employed and daughter of Mr. and Mrs. N. P. water in an irrigation project.

In constructing the dam 4000 cu- the settlers have not been able to much machinery in operation.

The normal flow of water in the During the past month about 225 Deschates at this point is about 1500 have have been at work and on July existence, the hospital was under the second feet, and at no time will there 10, pay day, about \$17,000 will be management of Mrs. G. W. Hall, who be less than from 250 to 500 second distributed among them. On June came from the Good Samaritan Hos-

"North Canal" Concrete Lined Flume

feet going over the dam. During the 10 the payroll was \$15,000. past few weeks there has been some- Between 75 and 100 of these men thing like 2500 second feet flowing. are permanent residents of the Bend tal at The Dalles, and it has contindue to the meltin snow in the moun- country, the remainder being import- ued to furnish an accommodation to

Smith of Bend.

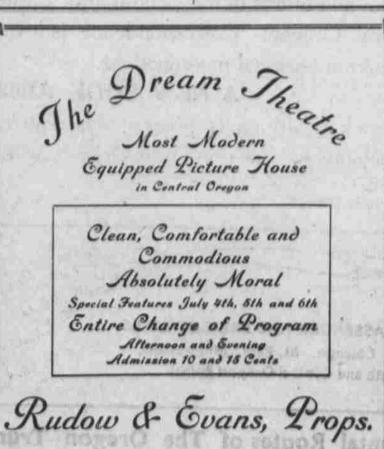
During the first 14 months of its pital in Spokane, during which time 75 cases, mostly surgical and ob-stetrical, were cared for. When construction was commenced on the railroad, a new building was erected and the capacity increased to 25 beds. While construction work lasted the men's ward was never empty and rarely had less than a half dozen patients in it.

In October, 1910, Mrs. Hall was succeeded by Miss M. Ellen Kershaw, a graduate of St. Luke's Hospital in Chicago, who continued as superintendent until November 11, 1911, when she was succeeded by Mr. and Mrs. Henjamin McCaffery, who are now in charge. Mr. McCaffery came from Beliview Hospital, New York. while Mrs. McCaffery is a graduate of the Philadelphia Hospital.

The hospital is not now and never has been a paying institution, but has managed to exist although it has never received a contribution from the outsids except being furnished with free water and lights, donated by the Bend Water Light & Power Co. It was founded at a time when the nearest railroad point was nearly 100 miles away and it was next to impossible for a person seriously sick or injured to get to the nearest hospi-

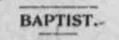
CARDEN STATE (1985)

year. Stock raising is also an imalso do well, the sunny climate and



son, treasurer, and J. H. Bittner, where they have a good corner loca In Crook county, to the north of secretary. The board is now active tion.

Bend is in the Columbia River erection of a handsome stone church Conference, which at its next meeting in September will assign a pastor



was organized July 31st, 1904, with 30 charter members. It was incor-porated in October of the same year. and on November 29th it received a

Its first trustees were, T. W. Triplett, J. 1. West and Millard Triplett. There is a school in the district, A. M. Drake was afterward chosen in

The first Board of Deacons were

who will devote his entire time to the local field. Bervices are held in the halt over The First Baptist Church of Bend the postoffice. Sunday school exercises are conducted every Sabbach,

and a good Epworth League has been organized. In connection with the church the ladies have an Aid Soci-

EPISCOPAL.

Among the church people of Bend is a goodly number of members of the Episcopal denomination. This territory is in the Eastern Oregon diceae, and about twice a year lishop Robert E. Paddoc's makes a visit here and conducts services. Other miniaters of this church also come occasionally. The Episcopalians own an excellent building site in Park addition upon which they later expect to erect a church.

There is an Episcopal Guild com-

SUBJECTS FOR JULY.

Rev. Dr. I. I. Gorby has had printed cards announcing his preaching dates in Bend during July. He will speak morning and evening at the church on July 7 and 21. His subjects for these four sermons are as follows: "The Ideal Church, its Spirit and Purpose;" "The Humani-tarian Ministry of Jesus;" "The Philosophical and Biblical Bases of Christian Experience:" "The Subliment of All Arts, Self-Mastery."

MINISTER CONTRIBUTES \$100. Word has been received from Rev. Robert L. Alter, Ph. D., now of North Washington, Pa., who will be re-membered by old Bend citizens as a former pastor of the Presbyterian church of the city, remitting \$109 for the new Presbyterian church now under process of erection. Rev. Dr. Alter has shown, in a real substantial way, his interest in his old par-The Prineville people will no lah,

doubt be glad to bear about Dr. Adter, for he served the Prineville congregation at the same time he di latered here