NUMBER 13

Estimated Cost of Improvement as Made by Consulting Engineer J. W. Roberts.

econd of the waters of Layng five efficient fire streams of 200 gallons which appropriation was per- each per minute for five hours, indepenunder the State law governing dent of the main line. rights, and Permit No. 30 was ivalent to 3,888,000 gallons per 24 00, allowing the generous estiof 150 gallons per capita per day. ed point of diversion September 909, at the low water stage, and the flow 13 second feet, or a little than twice the amount appropri-

That the full amount of the apation will be assured in seasons treme drouth is confimed by all reof those familiar with the flow of creek. The drainage area tribto the creek at the proposed in-63 square miles, much of it havn elevation of more than 4,000 and all of it within the National Reserve and heavily timbered. ity-A water supply from Layng s ideal. No purer water flows stream in the State. Indeed, is known that not a farm, mill, or settler of any kind is estabwithin the water shed contributr supply, its absolute freedom ollution is assured. Like simiams of the Cascades, the waters g creek are soft and clear. A from such a source will contribatly to the health of the comand do much to make your city

nce-The first thought of an inin city bonds on learning that it tion, and are conservative. posed by a city of 3,000 to pipe ter 20 miles from the mountains cient quantity for a city of 12,uld be, that it could not be done straining the credit of the city. ttage Grove is most fortunate following: The water supply 6 living a valuation of \$12,000, has equired gratis by your foresight. 14 cents, \$9,556-\$25,658. econd place, the city owns its water system, paying a nice investment and operating exwith very moderate water rates. tal city indebtedness is only \$45,ne easier than might at first apated for 18 of the 20 miles in w operating up Row River val- at \$2.00, \$1,100-\$57,016. ving considerable expense in With a railroad, wagon road, ephone line parallel to the pipe ransportation and communication construction camps is made

re are many causes contributing ne of minimum cost, while the usual expenditure is the one g of Row River. Eighty per the entire distance can be exed with a trenching machine.

nary surveys with the assistance srs. Taylor and Kurtz, and atreto a map showing proposed -way, and have prepared a pro n which is calculated the amount

h pipe will deliver. ations and fall-The surveys covhe line, and checked in duplicate, he following elevations: Main corner Spray's, 18.66 above um; proposed reservoir, Land-215.00; proposed intake, Wil-Meridian, 565.00. To reduce to el add 650.50.

alated Gradient-The distance e., \$100,000. the intake and reservoir is 99,-The fall is 350 feet. The gradient is 3,514 per 1,000.

oir—The advantages of a res- ing system is of cast iron.

completed an estimate of the cost the supply for a short time of an total, \$8,780. the proposed gravity water system, amount greater than the average flow. the document will be presented to It will afford a supply for a short time city council at its regular monthly should any accident occur on the pipe sion next Monday night. The es- line. Underwriters place a high estinated cost of the system, including a mate on its value for fire service, and of a first class supply under efficient ing friends ,000 gallon reservoir, is \$103,319, but reduce insurance rates according to its management will double the revenues believed that with fair competiton capacity and the size of the main conding on its construction it may be necting it with the distributing system. within the \$100,000 voted for the The proposed location is ideal, giving Mr. Robert's report is very you 85 pounds pressure per square inch lete in every detail, and is as fol- on Main street. You may safely estis, only the formal remarks to the mate its cost at \$10.00 per thousand gallons capacity—the larger the better. For purposes of the present estimate supply-In June of this year you I have considered one having a capacity an appropriation of six cubic feet of 300,000 gallons. This would supply

Supply Main-For purposes of a preby the State Engineer to cover liminary estimate we ran two lines oplication. This amount of water from the reservoir to town—one by way of Main street, and the other down and is sufficient for a population Maple avenue. The latter is much shorter and more direct, and the classifications of trenching much easier; 3,a guaging of this stream at the 146 feet will connect with the present Pioneer Residents of Cottage Grove main on Mill street. Should this line be laid, allowance should be made for hydrants at block corners within the and 78 respectively, celebrated the fif- biles. On Christmas day Messrs. H. city limits and for cross connections at ty-sixth anniversary of their wedding C. Harris and S. G. Brown of Portland

are based upon machine banded wood ing her father's cattle.

ESTIMATES OF COST.

Intake-excavation, concrete, gates, Walla Walla; Mrs. W. V. McGee, of mediately. creens, \$1,350; settling basin, \$500. Clearing and grubbing right-of-way FR

Trenching-11,500 feet solid rock, at at 25 cents, \$5,750; 68,258 feet earth at

cents, \$6,260; 8,200 feet 75 feet head at 47 cents, \$3,854; 7,100 feet 100 feet head at 49 cents, \$3,479; 4,600 feet 125 feet head at 52 cents, \$2,392; 23,700 Another factor making a 20-mile feet 150 feet head at 55 cents \$13,035; 18,150 feet 175 feet head at 58 cents, that the proposed pipe line can \$10,527; 22,096 feet 200 feet head at 61 cents, \$13,479; 4,450 feet 225 feet head roximity to the O. & S. E. rail- at 65 cents, \$2,892; 550 feet cast iron

Eleven hundred tons freight, hauling and distributing at \$1.80, \$1,980; laying pipe 2 cents per foot, \$2,055; back fill 2 cents per foot, \$2,055; air valves and stand pipes, \$875; blow offs, \$840; extra depths up to 10 feet, 22 stations 40 cents per foot, \$880; Row river crossing, extra trenching 800 feet 50 cents, tem in the entire line calling for \$400; wing dams and pumping, \$300; right-of-way, 19.43 miles, \$2,500; rail road crossing, \$100; reservoir site, \$500; 300,000 gal. reservoir, \$3,000; enginwith a trenching machine. eering and superintendence, \$5,000; to-tal, \$106,159.

Less possible freight rebate 12 cents per 100 on 1100 tons, \$2,640-\$103,519.

A 13-inch pipe would add to the cost

I have been over the line three times and am satisfied that nothing has been estimate.

While the total itemized estimate

52,000 gallons in 24 hours; 14- and an indifferent quality of water, Gumshoe Adams. would carry 2,550,000 gallons and \$70 is about the upper limit where the supply is remote and the distribut-

as both feasible and practical.

The annual expense incurred by this new construction would be about as follows: Interest at five per cent, \$5,- Former Resident of Cottage Grove 000; depreciation, a sum which paid anually for 20 years with interest at five per cent amounts \$100,000, \$2,880; one M. Wallace, who departed this life at Consulting Engneer J. W. Roberts | night flow for use in the day time, and pipe line rider at \$75 per month \$900; Salem on Christmas day, took place

within two years.

to none in the state in the three essenwithin your means.

Respectfully submitted, W. J. ROBERTS, Consulting Engineer.

CELEBRATE ANNIVERSARY.

Married Fifty-Six Years.

Mr. and Mrs. H. C. Veatch, aged 81 last Friday in a quiet and unpretentious surprised Cottage Grove when they Construction-The amount of money way at their home in this city. In for-splashed into town with mud and water available for the construction of the mer years this anniversary day has dripping from their machine, after havproposed system requires that unusual brought together their children and ing made a sensational run from Porttypes be rejected. The works proposed grandchildren in commemoration of the land in a new forty horsepower 1910 cover a low concrete dam for diverting event, but owing to the fact that these model of the Auburn car. This run the water into a small settling basin, offsprings are now widely separated the has created interest throughout the valscreens and sluice gates are provided. usual meeting was not considered feasi- ley, as no other automobile has ever Five stand pipes, one stop gat, 28 ble. This aged couple have resided in successfully attempted to make a simiblow-offs, and 79 air valves are pro- Oregon since 1853, coming hither in lar trip at this season of the year. Mr. vided for regulation. The trench is es- what is known as the Knox-Oglesby Harris and Mr. Brown were highly timated 24 inches wide, 36 inches deep train of ox-teams in that year. Mrs. elated over their success, and stated to in soil, and 3 feet wide in both solid Veatch, nee Knox, rode horseback from The Sentinel that no breakdown was

For the crossing of Row River, which John T. Gilfrey performing the cere- car throughout. can be accomplished in low water, I mony. Immediately after the tying of would provide 550 feet cast iron pipe. the nuptial knot they settled on a dona-This is included in the estimate. Clear- tion claim on the banks of the Willaming should be for the full right-of-way, ette river one and one-half miles north

bonding of the city of Cottage Grove Creswell; Mrs. Robert Mosby and Mrs. for \$100,000 to secure a pure and ample E. S. Hoderman, of this place, and R. gravity water supply is good business, E. Veatch, of Roseburg. It is said and I recommend the proposed system they have over two hundred relatives in this valley.

> DEATH OF MRS. WALLACE. Passes Away at Salem.

The funeral of the late Mrs. Harvey from the home of Mr. and Mrs. Delure This expense must be met by increas- Hemenway Tuesday forenoon at 10 ed revenues from the sale of water, o'clock, the Rev. Selden C. Adams conbut the records in other cities of this ducting the services, which were largeclass have shown that the introduction ly attended by relatives and sympathiz-

Elizabeth Ellen Medley was born in Scotland county, Missouri, July 16, The outlook is promising for a sub- 1862, and consequently was aged 47 stantial increase in population for Cot- years. She was married to Harvey D. ary." tage Grove, and the proposed bond is- Wallace in this city on July 31, 1881, and onies in America. sue is, in my estimation, conservative. to this union four children, Mrs. Sam-In conclusion, I would add that if uel Darling, Leslie, Emory and Vera, at once. In fact, we shall see presentconstructed, as proposed, Cottage Grove all of whom, together with the bereav- ly that some unfortunate individuals would have a water system second to ed husband, survive her. During her never get any New Year at all. As residence in Cottage Grove she made the clocks at Greenwich strike the first tal requisites of a water system, qual- many warm and lasting friends, all of note of 12 at noon on December 31 the ity, quantity, and cost-for the quality whom will learn of her demise with New Year is born at the opposite side is exceptional for purity, quantity is profound regret. Deceased was a sis- of the earth—that is at all the places sufficient for 12,000 people, cost is ter of Mr. J. S. Medley of Cottage on longitude 180 east. But no one

AUBURN IS A BEAUT.

Automobile Makes Sensational Run From Portland on Christmas.

The Auburn automobile has again demonstrated its ability to run long distances over roads that are considered impassable by other makes of automopipe, which is giving satisfactory ser- Mr. Veatch and Miss Knox were unit- wheels with big tires, and to the genu-

Mr. Hinds Sells Farm.

and grubbing only for the width of of this place where they resided until place of 120 acres in Powell Valley be- they are quaint and interesting. At trench. The estimates of solid and a few years ago. They raised a large longing to Fingal Hinds. Consideration the close of the year, all buildings are loose rock were made station by sta- family. The children are: Sam P. \$4,800. Mr. Sloan has returned to Port- elaborately decorated with evergreens Veatch, of Portland, Oliver O. Veatch, land for his family, and will take up and rice straw. Great bunches of livof this place; Mrs. C. G. Miller, of their residence in this community iming pine and feathery bamboo, planted

MEETING OF OLD AND NEW YEARS

Curious Things Concerning Where Tomorrow Will Begin and End .-- Its Rapid Flight.

Grove, and Mesdames D. Bristow and C. F. Littlefield of Eugene.

greets this first appearance unless it be the sailors of some solitary ship and the Fiji Islanders, for, besides this group, the only land which the magic imaginary line bisects is the inhospitable far East of Siberia, whose inhabitants keep the Julian calendar, and, therefore, hold their New Year celebrations twelve days later. The first landsmen to greet 1910 are thus the inhabitants of the Fiji Islands. Traveling west at incredible speed, it arrives at Auckland twenty minutes after its start. In New Zealand the occasion is celebrated pretty much as it is in England, the differences being traceable to the fact that in the Southern Hemisphere the New Year falls at midsummer, and therefore a large part of the festival is held out of doors.

ITS FIRST STEPS.

An hour and ten minutes after the day has dawned at New Zealand, the island continent of Australia welcomes The same remark as to the celebraand loose rock. The figures for pipe Missouri to Oregon and assisted in driv- experienced, and that they owe their tions, of course, applies here also. But success to the powerful engine, high a different order of things obtains in Japan, where the Gregorian calendar vice in many cities of the Northwest. ed in marriage at Pleasant Hill, Judge inely good construction of the Auburn was adopted in 1872. The Flowery For the crossing of Row River, which John T. Gilfrey performing the cerecart throughout. same time as Australia. It is said that with the change in the calendar some Messrs, Wm. Sloan and J. C. Burdge, of the picturesqueness vanishes from of Spokane have purchased the Powell the Japanese celebrations but even yet, in large vases filled with earth, are placed on each side of the doorways; garlands of rice straw adorned with fir branches and tassles of grass are hung along the walls under the projecting ing under and entering the house, and scarlet lobsters, seaweeds, ferns, rice cakes and mandarin oranges, each having an auspicious meaning for the New Year, are fastened about the door-posts and lintels. In addition to these each doorway has its crossed flags-a red sun on a white ground-in honor of the emperor. For interior decoration the famous dwarf trees so skillfully produced by Japanese florists by allowing them a minimum of water, light and soil are in great demand, the favorites being the dwarf peach with its double pink blossoms and the much-prized

IN THE FAR EAST. The Japanese have compelled their this call, wearing grotesque costumes, caught with a white color on his person Korean neighbors to adopt the same or a blanket, or a bedquilt-anything will be fined four bits. The keys to calendar, and here, as in all the Yellow except common, ordinary everyday the municipal bastile will this after- Kingdoms, the New Year is held to be clothes—and get into the game. Each noon be taken to Layng creek by Walk- a very solemn festival. During the individual must be armed with at least 'em-Fast Kurtz and his worthy lieuten- last three days of the year all work one musical instrument, such as horns ants Big Bear Atkinson and Little Bear ceases except the necessary preparascreechers, and tin-pans. The crowd shattering the peace and dignity of the tees return to their homes, the courts will assemble in front of Hotel Oregon people of the commonwealth the prison- close, no arrests are made, and prisoners will have to be herded at the bas- ers with slight offenses are allowed to tee B. K. Lawson and Big Little Noise ances have urged upon Recorder Van- Eve all doors are closed to keep out thus securing the animal he went to would add to the cost of the system Snedgrass, will deliver addresses to whom any Snedgrass, will deliver addresses to whom any Snedgrass, will deliver addresses to whom any Snedgrass will deliver addr Snodgrass, will deliver addresses to who may swerve from the straight and an Santa Claus, who makes the rounds his antagonist. everything possible in town. The pro- that street cars cease running for the cording to Oriental custom, are kept in the Lyceum Course, the date being cession, led by Chief Noisy Cornetest night at ten o'clock; that the all-night on the shoemat outside the door. Some January 26. This excellent company amounts to \$103,519, prudent advertis- Albert Washington Eastbrook, alias B. street sweepers make a sneak to their protection is afforded by placing a flour- fulfills the expectations of audiences not to exceed the amount available, i. ship of Subdued Noise Beaulieu and Fork be not opened for steamers later his favorite occupation—and continues program ends with a one-act comedy, take up the line of march, going west than 11 o'clock. Free and untrammel- to count until the day dawns and he is "A Pair of Lunatics" which is very It may interest you to know that a on Main to River, thence on Wall to ed use of the principal thoroughfares obliged to return to the upper air with pleasing.

CROSSING ASIA. As Greenwich time travels westward, ipe line with the above grad- water system, runs from \$40 to \$50 per King's, where an intermission of one the pinnacle of Currin bridge, in order the next people to observe our New who passed his 70th birthday last Wed-6 second feet, or 1,680,000 gal- capita. Lower than \$40 is sometimes hour will be had while the feast is be- not to detract attention of the manage- Year's Day are the European settler in nesday, has offered a challenge to any 4 hours. A 13-inch pipe would reached with a small pumping plant ing prepared, under the direction of ment of the affair by asking questions. the Malay Peninsula and Further India. man within 20 years of his age to run a Those having chickens, turkeys, or pro- Rather less than two hours after the foot race for a side bet of \$100. The Sheriff Bown having been apprised vender of any kind to contribute will happy day has begun at Perth, in West race is to be on New Year's day. of the proposed demonstration, has kindly leave them at The Sentinel of- Australia, the European population of consulted with Governor Benson rela- fice, as reserve stock may be necessary Calcutta signalize its arrival. Just sixty-minutes more and it has reached elected officers on Monday night.

Prior to 1752, in most legal and offi- | Bombay. Two hours later the noncial matters and in private records, Russians of Moscow are exchanging the year commenced on March 25. At congratulations, and half an hour afterthis time an act of Parliment was pass- wards their brethern at St. Petersburg ed which "directed that the legal year are following their example. Another which then commenced in some parts four minutes, and the New Year is of the country in March and in others greeted in the European quarter at in January, should universally be deem- Constantinople, and every succeeding ed to begin on the first day of Janu- minute brings under its sway more and This applied to the British col- more those nations who acknowledge

But it is not New Year everywhere New Year at the same time as those in Constantinople, and a little later-exactly ten hours and forty-three minutes after it was first greeted in Fiji-Capetown sends up her shouts of acclamation. Ten minutes after Capetown Vienna has acknowledged that another year has rolled away; in seven more minutes the garrisons at Malta are aware of the same fact; and in another eight minutes the bells of St. Peter's make it known at the Vatican, and Rome greets the New Year. Stock holm by this time has enjoyed twenty minutes in which to make and break good resolutions, and Berlin has had four minutes. It takes three-quarters of an hour for the magic wave of time to travel from Berlin to Paris, at which city it is surely the more welcome because, like the Scotch, the French make it the occasion of the exchange of presents. Fifty-one more minutes and Big Ben, if he is in working order, announces at Westminister that the power of the old year has vanished from England. Fifteen minutes after being greeted by a wildly-cheering crowd outside St. Paul's Cathedral, the New Year makes its appearance in Madrid. Glasgow gives it a boisterous welcome

two minutes later. IN AMERICA.

Across the Atlantic it travels ungreeted save by the roar of the waters, and by an occasional ship. Respectable Britons will have gone to bed when the New Year dawns on St. Johns, Newfoundland, for by Greenwich time it will be 3:30 a.m. It is 5 a.m. in England when New York's clocks strike 12, and another three hours elapse before Cottage Grove is able to bid goodby to the old year. Breakfast is being served and presents examined in New England when Vancouver greets the New Year, and still later the miners of Klondyke shake hands and drink whisky in celebration of the event. Then, sweeping over the Pacific, New . Year's Day dies at its birthplace, after a journey of 25,000 miles in less than as many hours.

There are several curious things to relate about the line where this day, and all others, begin and end. In a few hours a ship going east would cross it, and sail right out of the early morning of January 2 into the midnight of December 31, and thus greet the New Year a second time. By sailing in the contrary direction she could avoid meeting the New Year at all.

MAN AND DEER FIGHT.

Henry Small and His Pet Buck Came Together in Open Combat.

There was considerable excitement on the ranch of Henry Small, near London, last Lord's day, in which that gentle man took a prominent part, and since which time his stock of pets has diminshed by half. Mr. Small was leading a four-year-old buck and a yearling out to grass, when the eldest of the two attacked him in a ferocious manner. Both man and deer put up a good fight, and for a time it was difficult to tell in whose favor the decision would be rendered. Together they fought their way toward a fence, to which Mr. Small succeeded in fastening the rope, and

The Next Attraction.
The Ciare Vaughn Wales Comedy & Concert Company is the next attraction everywhere, and is highly recommended by the press of the country. The

Gamey at Seventy Years.

Captain C. J. Dodd, a veteran of the Civil War who lives at Springfield and

The Masonic lodge installed its newly-

14 cents, \$9,556—\$25,658. Pipe—13,912 feet 50 feet head at 45 Merry Makers Given Unrestrained Freedom for One-Night Stand Honoring New Year.

There will be something out of the | between the hours of 8 p. m. and 5 a. or in the lobby—at 10:30 p. m.

onsists in the storage of the | Considering these facts, the proposed tive to ordering Company E under arms for the feast.

ordinary doing in this pretentious burg m, and the chief executive of the state tonight-New Year's Eve-and every- has issued instructions to Captain Johnbody, regardless of color, kind, sex or son to hold his men in readiness at the religious belief are invited by Chairman Armory to quell any possible riot. of the Big Noise Committee Lawson to While carrying out these orders the come out into the highways and byways soldier boys will indulge in a hard-times and participate in the festivities of the dance, and inasmuch as the terpsichooccasion. Young and old, high and low, rean entertainment is likely to be brokgreat and small, male and female, Jew en up by a call to duty no admission and Gentile are expected to respond to fee will be charged. Any male man harmonicas, accordeons, tom-toms, Elledge, so if there are any arrests for tions for the coming holiday. Absen-Chairman of the Big Noise Commit- ketball park. The committee on griev- go free for a time. On New Years' the multitude, and Billiam C. Johnson narrow path, and above all things to distributing fevers, leprosy, pestilence will present the keys of the city to the impose no fine exceeding \$777. It is and other undesirable New Year's gifts, omitted that should be included in the gathering with the admonition to leave urgently requested by the committee leaving them in the shoes, which, acing and fair competition should make R. Westbrook, will form at the corner several homes at the same hour, and sieve beside the shoes. Seeing this, the total cost of the proposed works of Main and Fourth under the marshal- that the drawbridge over the Coast Angwangi stops to count its meshesreaonable bonded indebtedness for cit- No-Noise-at-All Metcalf's chicken are necessary for the success of the his evil work unaccomplished. ies of this class in Oregon, Washington house; countermarching to Main, thence undertaking. All newspaper reporters The calculated discharge of a and Idaho, on account of a municipal to Fourth, on Fourth to the Doughnut have been requested to take notes from