HILLSBORO ARGUS MARCH 10, 1910

CONCERT Of the HILLSBORD BAND With a Carefully Selected Program, Classic, Popular and **Descriptive**

A Real Live Concert Band, Introducing Many Startling Novelties. Not a Dead Number on the Program

Thirty Trained Musicians 30 30 8 **Eight High Class Soloists** Saxaphone Quartette, With Full Military Band Accompanist

The Orenco Male Quartette, Singing Many

THOS. WILKES or, the trench will have to he dug about 11 fest deep at the corner of Second and Main to afford the proper rainage on Sixth and Main while to flord any depth of drainage for the egion south of Main will require 13 eet greater depth. This of itself is GIVES VIEWS great obstacle, but my experien firmed by that of others, is that At R quest of Mayor, he Reis town at a depth of about 12 fee encounter a very troublesome laye quicksand. This was the troubl views S wage and Drains Los Angeles metitioned at the be ginning of the paper, and if encoun-tered by a town without the wealth of Los Angeles would have forced an SAYS PROBLEM HAS TWO SIDES abandonment of the work and a low of all that had been expended. In fact Also Animadverts Upon the Fly in the sany eminent engineers advised th that the difficulty might prove so great (intment as to make it more expensive to finish the work than to throw it away alto-gether and adopt another out-fall. They

Thos. S. Wilkes, Civil Engineer, upon the request of Mayor Bailey. presented his views on the matter of sewers, drainage, and other santary topics, to the city council Tuesday evening. Mr. Wilkes gave the sewage proposition a thorough liseection. His views as read, are: At the request of the Mayor I shall

outline the most pressing needs the city in the matter of disposing the sewage and point out what apto me the must practical solution problem under present condi-That it is a pressing and urquestion is realized by many, if ii, of our influential citizens, and em there is no need of addressing arguments. Others, in many cases, need their attention directed to results that are likely to follow ther neglect, and this is more with-the province of the physician than e engineer.

he engineer. In considering this question I must irst disclaim any qualifications for de-iding upon the plan that must be dopted, and when the city is ready to the expense of a sewerage sys I should by all means recomment the opinion of the very best avail sanitary engineer be secured, and s directions followed, and about all shall try to do is to give an idea of e data necessary, so that when his inion is asked he will have the means hand to render his opinion under-

tandingly. It will not do to decide on the route pth and kind of sewer, and start in aild it, and then when we encounted other hand, to go toward the rulation Hiver, using it for an outfall at present until the town increases in size to such an extent that it can no longer be so used and then install the purification plant. This latter seems to me to be the wiser course. I have measured the flow of the That is the prior the source the second ulties we cannot over the engineer to help us out. That n has been tried too often by other tes. Los Angeles, within the last or years, has expended a vast Tha mount of money trying to build an ut-fall sewer, when a proper investiwiser course. I have measured the how of the Tualatin River above the month of Dairy Creek and find it has a flow of 60 cubic feet per second or thereabouts. I made a rough measurement of East Dairy Creek, once at the Mountaindale Bridge, and found about 13 second-feet McKay Creek certainly does not exceed this, and I think is second-feet will be found the maximum flow of that stream at dead low water. Dairy Creek may posation beforehand would cave shown is ground to be unsuitable and pre-ented the great expenditure on the able to abandon the route selecter and compelled the expenditure of omething over \$200,000 to get out of difficulty that might have been voided by proper investigation in the rst place. at dead low water. Dairy Creek may po sibly afford 30 second-feet and this at

The problem of disposing of the sew McKay Creek may possibly increase th flow of the Tualatin River i in any town situated as Hillsboro calls for far more skill and tech-sl knowledge than is required in 100 second-feet at the Jackson Bridge so that in all probability th river can accommodate 10 times th y located on a large stream or or water, for the reason that the amount of sewage that McKay Creek car available atreams are small and niy available atreams are small and luggish and flow a long distance brough low, flat farming country, so hat any pollution is sure to be notice-ble, and if carried beyond a certain ercentage, will become such a menace o the health of the people living below he discharge that it will not be per-nitted to continue—therefore, any sys-m advected must be built with a view without serious other words, the expense of a purific in adapted must be built with a view the final adoption of some means of rification that will admit of discharg the effluent into the river without ger of serious contamination.

When this question was first brought by Mittention I was laboring under the impression the solution was com-aratively easy, from the fact that I my fattention I was laboring under impression the solution was com-atively easy, from the fact that I i known of several towns installing septic tank system, and many had told me that the septic tank perly constructed rendered the ef-int chemically pure hurs but upon constructed rendered the ef-the deep trenching will be located in a thickly-built portion of the city, instead of extending for a long distance through cultivated fields where no sewer is med-ed. I think the investigation will prove that no quicksand will be found in the lackson flottom, and a truck sever the

ery best thing to once with the definite purpos adopting a thoroughly samilary system No mere money consideration show be allowed to stand against the healt and well-being of the community otlar judiciously expended urned in a short time through reased values and rentals. If the ter must be amended, let Qu tone as soon as possibl not stop here, for the lown is scattered that no sewerage size a possible for many years un be made to serve it all atlying districts. I think it bant the mmon prive yault, w eeking, festering per reeding DED.B.H.M. should be orthwith. by stringent property enforced. I have found any to avoid these pestilentia indecent guisances in my o the use of one of the m resevered, however, and finally sur-eded, but Hillsboro could not have ne so even though our system is a and plentiful articles in Washi bunty, viz. road dust. Enough nn. nall fraction of that of such a city s Los Angeles and a quickeand prop-sition might be just as expensive here man in one hour to disinfect a fa privy for a whole year, and expenditure of \$5 extra, the is there, and goodd be clear beyond the enources of a small town. The only way to ascertain beforehand as to this e so made that the offai can noved once or twice a year. tectly Inodorous and manitary to make frequent borings on the outes that are deemed possible and tended to once or twice a day need not take more than one minute at a time. If the privy ind out how deep this layer is below the surface and how thick it is. A ow inches of quicksand may be over in well-drained ground, may be dug, and when filled the may be moved to another spot, ome by curbing the trench, but thi enders it far more expensive some imes requiring 10 to 20 times the out now done, but this should not be mitted on any ground where th ever filled by seepage water. ay that is needed for digging in cla

in a well on the north side of town lear around them If the Council will pass an ordinan requiring dust, or some equally eff tient absorbent, to be used, and conand an expert welldigger worked a whole day without gaining one incl in depth, and was compelled to give i pel its observance, the city can be ma-far more agreeable, sanitary and desi ap after sinking six feet of brick wall into it. Knowing these facts, I would certainly advise very thorough trials able, and a landlord who would om to provide this simple and efficier means for disinfection would be unab certainty advise very thorough trains before undertaking anything that calls for a trench deeper than 10 feet in Hillshora, as I have been told by a well-digger of large experience here finat he has never found the quicksand less than 10 feet from the surface, and in in a few years to rent his propert and the city would never retert to b present flithy and unsamitary could tions, even if permitted to do so by the repeal of the law.

these projected drains these pits can take the from filling with water by projectly constructed tile drains extending

The keepers of horses and cow should be compelled to keep the offa in airtight, flyproof receptacies, and out few cases has he dug 12 feet with-out finding it. The question of availability then re-olves itself into two problems, one o emove it from the city at such p solves itself into two problems, one of which must be met and decided upon be-fore anything can be safely undertaken. First to follow the natural drainage at the shallowest practicable depth toward McKay Creek and install an adequate purification plant at once, or, on the other hand, to go toward the Tualatin that it may never become putrid or fensive. These open manure plies the breeding places of the files, which are becoming recognized as the mo-active distributers of disease germa an filth.

They should be banished from o nomes, and no better means to acces olish this can be adopted than to de stroy their hatching places.

Scores of people from Hillsbore and Washington County attended he aviation meet in Portland th ast week, and witnessed Chas Hamilton sail the air in hibiplate He had perfect contro and his feats in air n vigation were a wonder to all. The meet iog was at the country club groundut on the O. R & N , and while housands paid to get there were many times the number who wit nessed his flights from the hillurrounding the amphitheatre with ut paym nt. There was no acci ion plant will be deferred 10 times at ong by going to the river. By building tent except that the Wemn e matoward the river the sewage is emptied below the crossing of the railroads and the principal thoroughfares, and the in-take of the condenser pump, so that the contamination will occur at the least obchine knocked down two or three seople in its offort to get into the sir. While Hamilton has nothing n Paulhan, the Frenchman, who xbibited at Los Angeles, he was tion plant becomes a necessity, the Jack son Bottom is the most suitable because he best and only aeronaut Port nearer to the center of town than any ground that is suitable for a gravity system on the Connell place and beside. and has ever witressel, and the meeting was well worth while.

The fact that Jim Hill now ownhe United, and has sent his sur veyore cut for a pass into the Tilla mook timber, is encouragement to he men in the mountains who nave timber to sell. Hill is a man who does things, and that Tills mook will soon have two railway ines goes without saying. The Lytle road will be completed the summer, without fail, and Hill will reach the coast by anothe year. North Washington County long cut off from the railway world will then have transportato facilties with the rest of the county. J. 8 Lorsung, of Newton, returned Tuesday from a trip to Southern Oregon and Northern California and while he saw much fine coun ry, he says nothing that would beat this section, a d to use his own expression, "While I saw lots of fine country, and lots of pior country, the best would have to g some to beat Hillsboro and Wash ington County."



When I started to practice medicine here was one admonition laid down by the gentleman who delivered the final address to our class when we were graduated that had greatly impressed me. It was this:

"Itemember that mind has a great effect over matter. Therefore try to detract so far as possible from the terror your patients naturally have for you as practitioners. Above all things, preserve a cheerful exterior. The more hopeless a case appears to you the more hopeful appear to be, for by giving way to your anticipations you lessen the patient's chances for recovery, and you may be wrong in your prognosis. Do not force patients to take your remedies if it can possibly be avoided. Rather persuade them or hanter them. Remedles taken s will are apt not to

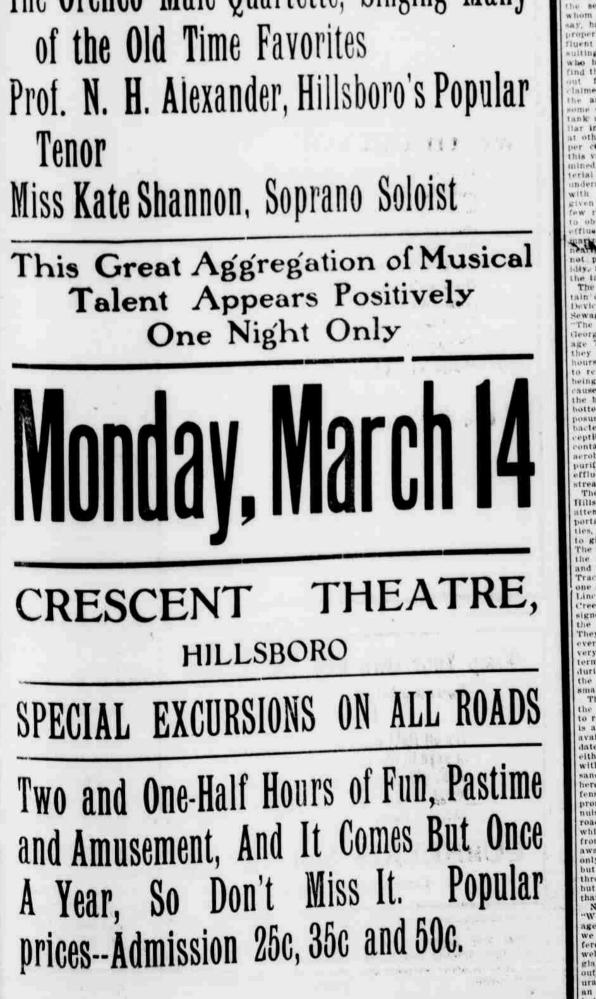
disease by unwelcome It seemed to me that there was

lot of common sense in this advice, and I cut it out of the printed address and pasted it within my writing desk in order that whenever 1 opened the desk I saw the injunction staring me in the face, so that it was impossible for me to forget it. I truly believe I would have built up a large practice by observing it had not that very observation of it on one occasion led to my leaving the profession.

I had been practicing but a short time when, returning to my office one day, I found a note from a stranger stating that a member of his family needed treatment, but was much averse to receiving a visit from a pbysician or taking remedies. He suggest ed that I call without the patient's knowing that I was a physician and studying the case without asking for symptoms after the stereotyped med-

cal fashion. This, owing to the rule I had laid down, was very easy for me. I went to the house, rang the bell and was admitted to the drawing room, where I was received by a very thin woman who did not appear to know my errand, so 1 told her of the note that had been left at my office. She seemed to be slow in understanding me-at any rate, for some reason, did not respond very freely, making vague remarks such as "Just so," "A doctor ?" 'I'll see," indicating that she had not been admitted to the confidence of the

person who had asked me to call. The lady went out of the room and, presently returning, asked me to walk ipstairs. I did so and was ushered nto a boudoir where sat a giri who but for a slight paleness did not, appear in had health. She was not even in dishabille; but, the older woman having left me with her, it was evident that she was the patient. I went in armed with my cheeriest smile, took the girl's hand as a matter of civility. thereby getting her pulse-it beat a trifle quicker than normal-sat down by her, said something to make her augh and saw that her tongue was



Jackson Bottom, and a trunk sewer, chemically pure, but upon contraily located, will not have to be dug so deep to afford the proper drainage as i ng the works written by men have investigated the question 1

contamination

ctionable point and when the purifi

while three or four feet of quicksand will require the use of sheet piling and multiplies the cost of trenching

out foundation. The best results claimed for them are that they reduce the amount of putrescible solids in some cases 70 per cent, and the same tank under conditions apparently sim-thar in every respect have been found at other times to accomplish only a 78 that in every respect have been found at other times to accomplish only a 20 per cent reduction. The reasons for this variation have not yet been deter-mined, and the whole subject of bac-sums of money for royalty, while if the terial treatment of sewage is so little inderstood at present that no one can, with accuracy, forecast what any siven plant will do till it is tried. A set on the plant will do till it is tried. A vestigated it may prove to be in the proper location and position to serve as a natural filter and thus be made to take rules must, however, be observed o obtain even a moderately clarified o obtain even a moderately clarified fituant and they may be briefly sum-the place of a percolating filter for sev-eral years, although its action can only be

to obtain even a moderately clarified effiuent and they may be briefly sum-marked thus. The flow must be as nearly uniform as possible, it must not pass through the tank too rap-idy, and must not remain too long in the tank. The works I have been able to ob-tain on this subject are "Methods and Devices for Bacterial Treatment of Sewage" by William Mayo Venable: "The Treatment of Septic Sewage" by George W. Bafter: "Sewage and Sew-age Treatment," by M. N. Baker, and they practically agree that 24 to 36 hours is the proper time for the sludge to remain in the tank, a shorter time causes a dissolution and discharge of the black sludge, which settles in the bottom of the tank. Too long ex-posure to the action of the anacroble acteria renders the effluent unsus-ceptible of further purfleation in the contact beds where the oxygen and arcolle bacteria accomplish the final purfle atten necessary to render the effluent tafe to discharge into small streams. of, this will enable the sanitary englineer to determine what is possible fo

There is now before the people of neer to determine what is possible for us to accomplish, but by all means do not take the judgment of any but men of proven qualifications. An engineer may have installed any number of sewerage systems in towns where con-ditions are different without becom-ing in any may evaluate the termine in Hillsboro two ideas, each demanding attention and both questions quite imattention and both questions quite im-portant, so that, in justice to all par-ties, the Council should earnestly try ties, the Council should earnestly try to give careful attention to both sides. The drainage ditch now projected from the corner of Fifth and Main streets and running southeast to the slough in Tract F, in Fairview Addition, and the one starting at the corner of Third and Lincoln, running westerly to McKay the streets and property adjoining. They are not designed, nor can they ever so be used, for sewers, for the start streets and the first one they are not designed. The first one corner start is a safe bet that all such engineers is a safe bet that all such engineers. Now as to what must be done im-They are not designed, or sewers, for the ever so be used, for sewers, for the reminates in a slough which is dry during all but the Winter months, and the second one empties into a very the second one empties into a very mediately. The ditch already laid out to the southeast is located on the best possible ground for draining that dis-possible ground for draining that dis-month and sluggish stream.

the second one empires into a try small and sluggish stream. The sewer petitioned for is open to the same objection, as it is proposed to run into McKay Creek. This stream is about the smallest one of the three possibly be benefited by a sewer that is needed in the region around the court-house and city hall. Let it be put in. b) Function and the sense of the three is about the smallest route that has been preliminarily source, either raw or through septic tanks, without becoming an unbearable nuisance. If the sewage is discharged there the stream will soon become of frensive and citic pride would certainly prompt us to avoid creating such a nuisance immediatly above the rail road bridge and wagon bridge over which the great and important traffic and as it causes to great irregularity of the storm water and drain the basements. This storm water and drain the basements. This storm water and drain the patient is still sewage, but little less offensive and dangerous than when raw and untreated.
Maturally the question will be asked, "What then can we do with the saver of different things before deciding: I am well aware what prompts one at first giance to favor McKay Creek as the outlet. It being close to town the natural inference is that it can be used at an outlet with less expense for piping, but as in a great many other cases, the thing that looks the cheapest may not and a similar one to the northwest of the route that has been preliminarily

Ceptain C. E McDonnell, well known to all the Philippine veter ins in Washington County, was in town the first of the week, ostensi bly on real estate business. He Greenville sections.

Walter Galloway, son of S. J. Galloway, came down from 'he at Corvallis, and who is a son of T. member of his family. Wilkes, of this cityA

D. W. Packaham of St. Joseph, city this week, looking over the is an experienced car inspector and repairer, and may take a position with the P. R. & N. railway situation. Mr. Packaham

Sam Tunstall, of rear Phillips, was an A gus caller Tuesday, and says that the United has completed all bridges on their line clear into Washington County.

Married, at the home of th brids's father, Banks, Öre., March 5, 1910, Elmer L. Hopkins and Miss Florence Eberly, daughter o' Mr and Mrs. J. F Eterly, Rev W. C. Stewart officiating.

Don't forget the band concert next Monday evening, at the Cres cent Theatre, and give the boys your financial as well as your moral support.

Born, to Mr. and Mrs. Edward C Hankel, of Redmond, Or. at the C. Lebeau home, below Scholle, March 5, 1910, a daughter.

R. M. Banks, of Banks, was in Tuesday, and save there is lots of But railway talk up his way.

Argue and Oregonian, \$2 25

slightly coated. In this fashion I rattled on, telling her stories and inter ing her until I and secured her e dence and a predisposition in my i Then I said abruptly: "But you're not looking very

today." Then she told me that her back was troubling her and she slept badly and mentioned symptoms that indicated to me a condition very common and for which there were a number of simple remedies. When I went away I told her that I would send her a box of candied fruit, a few of which I thought she would like every day. Then I left her to have some medicine I intended for her divided between half a dozen real candied fruits and sent them to her with my compliments. I called again soon and asked the indy who had received me how she had managed to impose upon the young lady that I was not a doctor; that it was important that I should know what story she had told in order that what I should say would tally with it. She told me not to worry about that; she had given a good reason for my calls. I asked her if I was to see the person who had left word at my office for me to treat the young has been traversing the Banks and lady, and she said he was away, and would be away several weeks.

By the time he returned I lind made love to my patient, and she had responded favorably. Indeed, she sent front on the P R. & N., the first of me to him-a mere form, she safi-be the week, and went to Convillis, to being her uncle, to ask for her hand. take a position with Marion Wilkes, I did so, announcing myself as the county surveyor of Banton County. physician he had asked to treat a

"Well," he asked, "did you pull the wool over the old girl's eyes?"

I didn't understand what he mean Mo., and late of Salem was in the by the "old" girl, but I replied that I had succeeded admirably. I went on, but when I said something about the

"Young lady be hanged! She's fifty-

It came out that the elderly was my intended patient. I had given myself away to her at my engrance, and she had taken me to young lady, asking her to act in her stead. The girl from pure mischief consented to do so, but there were two of us hoist by our own petard.

The two older ones were brother and sister; the girl was their alece, an orphan and possessing a fortune.

I married her, and she preferred that I devote myself to taking care of her property rather than sending petients candied fruits.

Probably Not.

"You do not kiss as sweetly as the other girls I know." said to get the goat of her whom I'm allowed to beau.

"Oh, don't 1?" said the maide

her eyes of blue. "That's funny! All the other boys I so with say I do!"

-Cleveland Loader.

She handed you that, did she? That was hardly just the thing.

hardly just the thing. That must have roused your dand-and left a little sting. But perhaps the boys she moke might make a little note. Had not kissed the gentle mail she had obtained the goat. Houston