Report of Dr. Day Read at Chamber of Commerce.

MORE SANDS WILL BE TESTED

Model Electric Separator in Operation in Chamber-Smelter May Be Built at Chinook-Natural Gas Would Help Economical Production.

That the concentrating of magnetic rials from it as before. tity of the various kinds of metal which to you." they contained.

It was sent by Dr. Day, to Secretary sands that the report is made. which he said:

the last few weeks, and the results of \$160." which have just been computed.

sample of the magnetic iron ore, zircon, the tests that have been made, was on monazite, ilmenite, olivine, quartz, and a exhibition at the meeting last night, sample of mixed minerals obtanied from and a considerable quantity of sand Columbia river sands, as well as a was run through. I. B. Hammond, T. J. small button of gold, containing also Lovet and W. H. Adams of Portland platinum, obtained from your sand, and W. B. Moore and Ben C. Holt of

will be a permanent souvenir in your machine, and the industry as a whole, collection and actual testimony of the were present and conducted the exhibifact that your sand does contain the tion. precious metals,

trial in demonstrating the fact that it crowded with visitors last evening and is perfectly easy to smelt the magne- much enthusiasm was manifested. tite found in your sand in an electric It was reported yesterday that a furnace. We are preparing a pig of steel stock company will be incorporated at from the first run ever made from Co- Chinook, where the sands are also very lumbia river sand, which will be sent rich, for the purpose of equipping and to you as an exhibit from your sand operating a smelter. to be kept by the Chamber of Com-

five carloads more of the sand from will prove very useful along this line. Hammond station taken from the sur face directly downward. This we will cated some distance from the place 'run through and save the precious mate-

iron and other valuable metals from the "I would advise you that in addition low cost of production is considered. sands of the seashore, and their madu- to the use of the iron ore for smelting Tests were made from sands taken facture into iron, steel, and various purposes I am in correspondence with from eight different locations along the terview with United States Senator other metals, can be made a valuable the General Electric Company in reindustry, was proved conclusively by gard to the use of magnetite in the East Seaside; from Gearhart Park Beach; lie very close to the welfare of every the report of Dr. Day of the United and also ilmenite, i. e., titanic iron ore, States Geological Survey, read at the with a view to disposing of more or Chamber of Commerce, last night. In- less of this material for the manufaccluded in the report, were figures in de- ture of electric light pencils in the place tail, showing the difference in the sands of the usual carbon, a matter which I gathered and tested, and the quan- know will be of considerable interest at High Water mark, and from Bottom and the state. The Senator leaves at

Dr. Day's letter and report were call-The report was addressed to the Hon- ed forth by the request of the local these eight locations is taken up sepaorable Charles D. Walcott, director of Chamber of Commerce some time ago, the United States Geological Survey, to test a quantity of the sands to be and will later be sent to Washington, found on Clatsop beach. It is on these full below. The figures represent the

Higgins of the Chamber of Commerce, He now suggests that another batch and accompanying it was a letter, in of sands be forwarded, and this will be at once done. To this end, a committee "I have pleasure in mailing you consisting of H. G. Van Dusen, C. R. herewith in addition to the first Higgins and Dr. J. A. Fulton, were aprough preliminary report sent to pointed to raise the necessary funds you in regard to the Columbia river and another committee consisting of sands, the enclosed manuscript draft John H. Smith, C. F. Lester and F. J. of the more complete preliminary re- Taylor was appointed to gather the port, on which I have been engaged for sands. The cost is estimated at about

A model of a magnetic separator, the "I have also pleasure in sending you a kind used to separate the sand, in all with the hope that this button of gold Walla Walla, who are interested in the

At the close of the meeting, a vote of "It is a pleasure also to advise you thanks was given to Dr. Day for his that we have now erected a small painstaking effort in making the tests, but efficient electric smelter, and that and for kindly advising the the chamber we have succeeded from the very first of the results. The chamber was

The principal cost in the reduction of the ore is in the operation of the smelt-"For use in our electric smelter I er, and by many the belief is held that think it would be well to have about the recent discoveries of natural gas, Even though the smelter should be lowhere the crude material is found, this would be quite immaterial, when the

beach, as follows: From Moore's Hotel, Charles W. Fulton, upon subjects that from West Station; from Carnahan's man, woman and child in the city. It be-Station: from Warrenton Station; from hooves every one to carefully weigh Hammond Station, 150 feet North of every word the Senator has uttered, Railroad Station; from Hammond Sta- for there is wisdom and the best of purtion 1500 feet West of Railroad Station pose in it all, for Astoria, the county of Columbia River at Pillar Rock.

rately, and the different metals contained in each is shown. It is printed in other things Senator Fulton said: number of pounds per ton of sand except in the case of gold and platinum, where the figures denote the value in cents per ton.

From Moore's Hotel, Seaside. Magnetic iron ore 63.44 Chrome iron ore and ilmenite .. 47.72 Garnet 12 16

Monazite	.10
Zireon	.13
Gold and platinum	9
From Gearhart Park Beac	h
Magnetic iron ore	1.21
Chrome iron ore and ilmenite	.55
Garnet	29.74
Monazite	
Zircon	
Gold and platinum	

From West Station.

Trom mor branch	
Magnetic Iron ore	3.08
Chrome Iron ore and ilmenite.	70
Garnet	3.74
Monazite	.01
Zircon	,50
Gold and platinum	
From Carnahan's Station	
Magnetic iron ore	96
Chrome iron ore and ilmenite	.838
Garnet	118.935
Monazite	1.360
Zireon	.188

Monacine	1.500
Zireon	.188
Gold and platinum	0
From Warrenton Station.	ğκ.,
Magnetic fron ore	14,525
Chrome iron ore and ilmenite	
Garnet	3.658
Monazite	.096
Zireon	
Gold and platinum	1.3
From Hammond Station 150 feet	
of Railroad Station.	
The second secon	20 011

Magnetic iron ore	62.911
Chrome iron ore and ilmenite	
Garnet	30.458
Monazite	.984
Zircon	.789
Gold and platinum	6.0
From Hammond Station 1500 fee	t Wes

Water Mar.

Magne Chrom Garnet Monaz Zireon	tie ire	n ore	744	vage.	643.	559
Chrom	e iron	ore a	and il	menit	e171.	362
Garnet				THE REAL PROPERTY.	174	478
Monaz	ite	***				800
Zireon					5.	019
Gold a	nd Pla	tinum	f		5	3.0
From	Botto	m of Pills	Colu	imb;a	River	8

8 mm 2000	
Magnetic iron ore	13.509
Chrome iron ore and ilmenite	3.367
Garnet 1	31 308
Monazite	.100
Zireon	2.4
Gold and platinum	

PROPITIOUS OPENING.

Fishers' Opera Huse was literaly jammed last night for the initial performance given by the Roach Dramatic and Comedy Company. The play, "My Sweetheart," proved a happy vehicle for the elever abilities of the strong troup, especially in the case of Johnnie Pringle and Miss Florrence Pringle, who were ably supported on all sides by their colleagues of the cast A double bill is programmed for tonoght, entitled "The Littlest Girl," and "Wanted a Wife," Mr. John Berry of Uppertown was the fortunte winner of the first gift, a forty-piece dinner set of China.

Baby sleeps and grows while mammy rests if Hollister's Rocky Mountain Tea is given. It is the greatest baby medicine ever offered loving mothers, 35 cents, Tea or Tablets. Sold by Frank Hart, druggist.

Interview With Senator Fulton on Local Subjects.

BROAD MINDED STATEMENT

Astoria's Distinguished Citizen Talks Plainly Upon Home Matters-The Bar-The City-The Election-The Party-All Are Discussed.

The Astorian is in position this morning to offer its readers the benefit of a comprehensive and interesting inonce on his way to the seat of National In the report, sands from each of Government and his views were sought for the express purpose of making them known before it was too late. Among

> "Yes, I will leave next Sunday evening for Portland where I shall remain the work is largely of such a character ing the city election that is to occur that I can do it more advantageously in next month?" was the next question

> "Do you expect to secure any appro- "Well," said Mr. Fulton, "I have only priations for Oregon rivers and har. this to say; I have not lost interest in bors at the coming session?" asked local matters pertaining to Astoria and the reporter. "I certainly hope to do Clatsop County. I hope to see the Reso. The prospect is, however, that there publicans name a good city ticket and will be no river and harbor bill enacted elect it. This is a Republican city and at this session. In that event it will should have a Republican Government. be practically impossible to secure any It is a serious mistake to assume that appropriations. Possibly an exception it is immaterial what the political commay be made of the improvement at plexion of local officials is. Success the mouth of the Columbia, as much in local elections is very important and of the work already done there by the almost a pre-requisite to success in Government will be lost and the com- state elections. No party can maintain



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Millinery

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60e Bed Sheets			 **					450
35c Golf Gloves	****	 	 	 9.4			 	250
\$1.00 Kid Gloves		 		 	ino			480
15c Ladies' Hose; three I	air .	 		 		 ¥. 14	 	250
20c Men's Wool Sox, thre								
60e Dress Goods								
35c Dress Goods								
15c Flanneletts								
7c Ginghams								
5e Print								
10e Outing Flannel								

3,000 yards of Fancy Ribbon, 25c quality at 1Oc.

two days, starting for Washington on pletion of the improvement retarded is not taken the unsightly condition of the morning of Wednesday the 15th in. | many years, if a sufficient sum to prose- the court house block will continue to stant. I have much to do in the way cute the work energetically shall not disgrace the city and the county will of preparing matters to be brought to be appropriated at the coming session." suffer the loss of the large sum already the attention of Congress this winter and "Have you anything to say concern- invested in the foundation for the new propounded by the inquisitive reporter. an organization that ignores or underestimates the importance of success in local elections and organization is necessary to success. But there is, to my mind, a far greater reason why the Republicans should make an carnest and united effort for success at the coming city election. Public gambling rooms and dance halls have been closed in Astoria by Republican officials, I approve absolutely that step. They

should be kept closed. No backward step should be taken, no retreat should be sounded in a matter of such grave importance to the good name and the moral atmosphere of our city. It should be well understood that a defeat of the Republican ticket will be accepted as condemning the action of closing such institutions. This movement against public gambling and dance halls is no crusade against the regularly licensed saloons nor is there any disposition to interfere with them. It is simply a demand that the laws shall be enforced and that these foul dens shall be obliterated from our midst. It is a demand that these snares set to entrap the yout's of our city, to deprive the family of the earnings of the husband and father shall be wiped out and not p-rmitted to be set up again. For this, it seems to me, every right thinking citizen will stand. For this every respectable saloon man (and there are

"What do you think of the outlook for Astoria in the way of growth and development " was asked,

many) should stand ..

"Astoria is forging ahead today as never before and her prospects were never so bright. There are, however, certain improvments or facilities indispensible to her best possible growth and prosperity. First of all, is a first class hotel. We must devise some plan to secure that and I am willing to assist any practical movement to secure one. Another matter that should be taken up at once is the completion of the new court house. It occurs to me that there should be no trouble in getting twenty or more of our principal business men to associate themselves together for that purpose. Our banks have plenty of money and will doubtless advance sufficient, say \$75,000 to complete the building. Let the county convey the court house block to the twenty or more citizens, who supply the money or to some company they shall form, and take an option to repurchase on payment of the advances and interest. The County can pay an annual rental sufficient to defray the interest and reduce the principal so that within five years it will own the building. I would gladly assist in any such undertaking. If some such step

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