THE DAILY ANTORIAN, ANTORIA, THERDAY MORNING, SING 89, 1894.

on of Inland With A Comp Coast Harbors.

SOME COMMON ERRORS EXPOSED

The Enormous Cost of Maintaining Deep Water Navigation to Portland.

It is the purpose to publish the article written by Mr. Archibald A. to accommodate and retain four ship- light draught boats from the upper Col-Schenck ,entitled "The Commercial deaports of the Northwest," in full, com- fleet of 1891-2 was consigned by only mills per ton mile. The cheapness of mencing with the portion following, and four firms), now says to the United these towage systems, with tows of continuing an installment from day to States government, and to the people of from 5 to 100 boats, in broad rivers, day until its entire publication shall the Columbia basia, that this harbor equals and generally exceeds the have been completed:

The world has been and is being enormously taxed every year through a few mistaken ideas concerning commerchil scaports. One of these is that such a commercial port is merely a shipping point, and that relative costs of transportation decide its growth and supremacy. The higher idea of fitness for befirms in Portland. ing a great mart of trade, a great commercial exchange, is overlooked, and inland can ocean vessels be induced to penditure by government of \$927,833.49 from Pittsburg to New Orleans at very the only thing considered is, how far come. All that railways have sought in in attempting to secure a 29-foot chan- low rates. From St. Louis to New many cases has been the nearest port nel. This gives: at which they may get rid of their ton-nage. Minimum yearly expense of

nage. A second error is in assuming that an ocean vessel when on inland rivers

or canals furnishes the same cheap form of transformation, or approximately so, that it does on the free ocean. A third error is in assuming that be

cause large ports exist inland, they are not expensive errors, and may be duplicated.

A fourth error is in assuming that such large inland seaports as do exist, at in rivalry with a well defined fleet, or \$114,000; we have \$219,000, or natural harbor, of distinct harbor feamore than \$1 per ton on the wheat, adtures, further down the river.

These general statements outline the examination proposed in this paper. Although the paper treats primarily of commercial seaports of the Pacific Northwest, in reply to the views of

advocates of inland seaports there, it necessarily includes a somewhat extended examination of the seaports of the world generally.

It is noted that those whose views large, as would be the case if facilities this paper is intended to meet, are were provided not already existing or personally interested in the ports which practicable without cost to the governeach one argues in favor of. One fs inment. Even with this governmental subterested by his own professional resisidy, Portland is securing less than onedence and by that of his relatives cdad half of the wheat of the Columbia river cated at his expense; another is pd ex- basin; and of this amount, she is lightpert employed by a railway which has east its fortunes with, and expended its resussives upon an initiand terminal; innother is an expert for a proposed system of ship canals, while personnt inter-est in the subject of discussion is as it should be. The most complete work of gathering statistics, of studying materal developments, and of intense and prolonged thought upon puch subjects. whether manufocturing, commercial, agricultural, or of investment, is gener-

atheways poincementing the taile. While the rad pockets of a few merchance is whis is wall sheltared by the peculiar partiand. This 29,505,946 tons carried in tpper-jawatt," or land-locked entrance 1890 on the Mississippi river was carthat also furnishes a speedy and saids ried on three to five feet of water for entrance for vessels to quiet water. The less than two and one-half mills per ton entrance has a great under-water mile, and much of it for only 0.51 mills H. A. SMITH precipics in the ocean opposito, aufil- per ton mile. While those depths are cient to serve for ages as a dumping undoubtedly too small, it indicates in ground for scoured material. It has a what direction the river and harbor ap great river, furnishing the excess of out- propriations should be made. The ton flow over tidal inflow that is almost es- nage reaching Hamburg by the Elbe sential to the permanent success of a was on water of six feet down to two jetty system. The harbor, although so feet. If two transfers were saved by near the coast, has fresh water to pre- the proposed lower Columbia ship chanvent the teredo and to remove barna- nel improvement to 25 feet depth (as cles. The entrance is over 3,000 feet would be the case in an Erie ship canal) broad, and over 29 feet deep at mean the case would be much different; but lowest low water. There is no other har- a great towage system, such as thos bor in the world anywhere nearly equal organized on European and Eastern

in advantages to this harbor. Portland, American rivers, will bring down the pers of wheat in Portland (the wheat umbia for less than one and one-half

must not be utilized; that in preference cheapness of deep draught vessels movto securing an open river for light ing in restricted channels. On the draught vessels to the interior, or in Rhine, the Elbe and the Oder, these preference to awaiting railway exten- tows (or strings, as they are there sion to this harbor, the government (termed) run up to 10,000 tons each. Or must at once divide river and harbor the Hudson river, a tow contains from appropriations, and give much of them 50 to 89 boats, of about 209 tons each to constructing an artificial deep water and of draught of from five to six feet channel to the warehouses of these four The towage rate from above Albany to New York, over 140 mile, is \$25,00 pe

In order to retain these four shippers, loat. On the Mississippi river still Portland has already secured the ex- larger tows of coal barges are taken Orleans, the Mississippi Valley Transportation Company transfers freight at

a very low rate, using eight powerful, maintenance..... 45,000 tug boats and eighty large barges, holding 60,000 bushels of grain each. The

\$105,000 divisability of these tows enables them Or over 50 cents per ton on the wheat to gather and leave boats at many loshipped by the grain fleet in 1891-2. This calities, even those having only very 50 cents would carry all the wheat by shallow ports; and thus one of the adrail from Portland to the mouth of the vantages which enables rallways to Columbia, without noting the actual compete against ordinary vessels in intransportation costs by that route. If land waters and secure much higher we add to the above amount the actual rates while doing so, is secured by the cost to the Union Pacific Company for tows as against deep draught vessels towage, pilotage, etc., on the grain on rivers.

In regard to the increased cost by deep draught vessels when on conditional to the expenses of ships' crews, tracted inland waters, Col. E. L. Cordemurrage, etc. This is not a business thell, the associate of Col. Eades on the like operation. The wheat could have Mississippi jetties, thus writes in a nabeen lightered to Astoria and placed on per to the Canadian Society of Civil vessel there for less than this \$219,000. Engineers: Thus the \$105,000 is partly wasted and "No narrow channel is to be construct

is partly a direct subsidy to the four ed at all adequate for the wants of shippers of wheat for conducting this commerce. Careful investigation has operation at one place rather than anmade it evident that nothing but unother. There is no gain to the people at restricted channels of the very largest

> dimensions for laden vessels of large tonnage, will at all compare with the advantages of transportation by rail, cleaned. particularly in the United States and Canada.

io not steer well whenever is there. nelse by steamers not requiring much deeper variation of width occurs; in going

down stream, the currents affect the you have friends in Europe whose pas-Portland, because of these four ship-pers, has been, through the aid of the Port of Portland Commission, asking congress to appropriate \$772,464 more, in the hope of securing a 25-foot channel. the Baltimore snip come tog This was the estimate of the local end The advocates of bringing ocean vessels

This was the estimate of the local en a The advocates of bringing occan vessels in the Northern Pacific railroad if yout are Going East. Low rates of fare, through tickets, biggage cheer of the galden and that on the free occan. By mare will not give authetent improve-



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treatise, sufficient credit for intelligence and independent judgment may be given the reader. All that can be done by a writer is to devote time and labor, compact form.

The advocates of an Inland location have somewhat blinded their readers. to the question at issue by citing a large number of intended ports that have failed of great success, both inland and coast, creating the impression by the hasty recital of them that all the failures were not due to being inland, in all similar improvements, even All the small ports between Bultimore and New Orleans, lying entirely outside the great lines of tonnage movement, are called on to confuse the real issue. Some ports as yet without transcontinental railways, or even local railways, are cited to prove the necessity of inland location. Mere riverside deepwater Bar: points, absolutely without distinctive harbor or terminal features, are called on to fortify the Inland theory.

For those readers to whom the recommendation of a manager of transportation lines is preferred to a detail examination of the case, we quote the statement made to the writer by the vice-president of one of the greatest trans-atlantic lines. He says:

"In our opinion it is undesirable, except in the case of a very old and convenient inland port, to send a steamer inland for cargo."

The seaport question in the Pacific Northwest appears to be a triangular fight between Puget Sound (Tacoma and Seattle), Portland, at the head of navigation of the Willamette river (not of the Columbia river), and Astoria, at the mouth of the Columbia river, tion, or a total expenditure of about

the future.

\$2,500,000, equal to an annual interest of

Tacoma claims that she has all she needs in her railway line and in her \$130,000. Allowing ten years as the "few water route to the ocean.

Portland has a railway, but is not satisfied with her inland water route. Astoria has the ocean at hand, but sidy of \$400,000 per annum granted to

supremary upon her being inland nearer ing. This sort of internal improvement a quartet at a Finn saloon, and Matsor the producer and at the head of navi- for deep channels is not a gain to the got Price out in the street and proceed. gation, on her claimed position as a people at large, and is simply subsidir- ed to slaughter him then and there. In radial centre of rallways, and on the ing one locality against another. Let his drunken frenzy he jumped on him growth she has already secured.

States government has secured an en- light draught boats from the upper Col- rived and taken them to the station

in size and character; of ample working be for securing a light draught channel great length and concentration of water. This will mean money in the pockets and the total amount of fines assessed froninge; and with a great number of of a great body of producers instead of in these cases was \$25.

ally found among those deeply and per- mate will not give aufficient improvecosts at times ment; that the style of construction pro- | get as low as less than one mill per ton-But such an ocean vessel has posed would last ony a "few years;" mile. that the proposed channel width of 150 spent 34 hours in going 114 miles inland feet is insufficient; and that more dredg- to Portland; or nearly 29 hours of acing will be required. How much a tual towing time. To the increased cost gathering facts and collating ideas in proper scheme would cost the board from such an altered mode of navigadoes not state, nor does it apparently tion, add 50 cents per ton for towage, pllotage, etc., and it is readily seen why ker. hope to secure enough for such a proper scheme from congress. But with the ccean service is not secured inland, let the vessel's draught be what it may, Where light draught boats can be taken without transfers from the producers to the vessel's draught be what it may, cheap and temporary style of construction suggested by Major Handbury, and Where light draught boats can be taken with the other betterments suggested by the board, the project will cost at least a convenient harbor at the river mouth, river improvement for ocean vessels is \$1,500,000. Such has been the experience a waste of money. One of the leading champions of an inland scaport location in a paper intended to be in its favor, thus admits the increased cost of inland where the items of probable increase in a paper intended to be in its favor, were not specified in advance, as here. This customary increase of final cost navigation over ocean navigation; over preliminary estimates is indicated even by Major Handbury himself. "The moving mass that seeks trans

portation reckons distance to be a Whatever be the causes, the results are the same. He says of Swan Island nothing on the ocean, as compared with the cost of movement on land or river.

He describes the river entrance to "It was estimated in 1867 that the removal of 50,000 cubic yards of ma- Philadelphia as "a tedious navigation. terial would give an 18 foot channel 100 against head winds in a narrow roadfeet wide. Since that time fully 250,000 way." His argument is a strong plea cubic yards have been dredged by the for a large percentage of free ocean United States. In addition to this, the carriage as compared with inland car-City of Portland has taken out probably riage , which all admit to be desirable, 50,000 yards. The cost of this dredging but as an argument for going inland up rivers, it refutes itself. has not been less than \$150,000."

"A similar showing of increased cost The cheapness of tows and their adin obtaining results might be made for vantages, as compared with deep the Postoffic bar and St. Helens bar, draught vessels inland, would be paralthough not quite t othe same extent." ticularly great on the Pacific Coast, It will be noticed that the past where the ocean vessels can asidom dredging cost nearly 50 cents per cubic count on cargoes in both directions, but yard at Swan Island, as against only 15 the small craft can avail themselves of cents allowed by Major Handbury for local traffic up-river. This fact makes a Coast location much better than an In-Hence it is only what any business land location for any mart of trade, as man would do to assume at least the distinguizhed from a mere shipping \$1,500,000 named for the future construc- point, and will serve the whole river.

(To be Continued Tomorrow.)

POLICE COURT.

years" which the board expects this Hank Price's right eye was prominent construction to last, we have annual dein the police court yesterday afternoon: deterioration of \$250,000; or a total subprominent because his left one way asks for a railway and for an open Co- assist Portland in doing what, if the bullet-headed Russian Pinn named nearly gouged out Sunday night by a government simply does nothing, the Portland bases her claim of future railways and Astoria will do for noth- in the dock. They had been involved in government wait until transportation by with his feet, and would have more seri-Astoria has a harbor that the United rail to the coast, and by large tows of ously injured him had not the police ar-

france to, by an expenditure of \$2,200,- umbia are in operation. It will then Matson was fined \$40, while a fine of \$5 000 upon the jetty at the mouth of the be time enough to see whatever more is was put on Price, presumably for be Columbia. This barbor is magnificent needed. Meantime let all appropriations ing in bad company. There were five other cases of drunk room for vessels of the largest size; of from the upper Columbia to the ocean. en and disorderly conduct on the docket,

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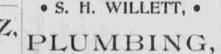
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