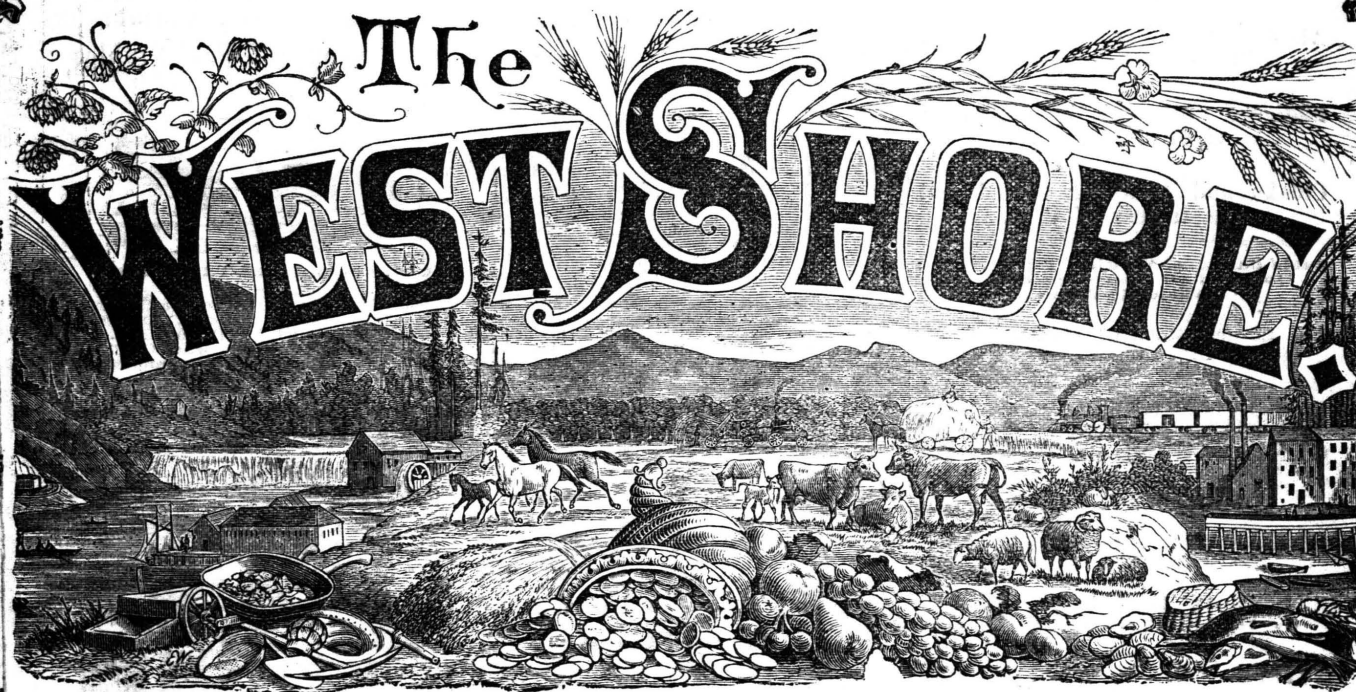


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AND THE
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THE LIVERPOOL OF THE PACIFIC.

Seattle, bears the same relation to the commerce of the Pacific as Liverpool sustains to the Atlantic ocean. Seattle is the great coal port of the Pacific and ships more of the "black bonanza" to San Francisco in one week than all the other coal ports in Oregon, Washington and British Columbia do in a month. During the past month the exports have been unusually heavy, the bark Lizzie Williams, being the smallest of eight vessels dispatched thence within ten days and her cargo was 1,140 tons, while the largest was that of the Alaska, 2,178 tons.

Seattle coal has become a deservedly great favorite for household use in the San Francisco market, for while it is but a lignite formation it is the highest lignite found on the coast. It contains no more heating power or combustive property than that found at Coos Bay, but it is less brittle and makes less dust, while it is by far less impregnated with sulphur. The chief mine is at New-castle, about 18 miles southeast of Seattle, which has been worked with the greatest success for the past seven years. The other mines are the Talbot and the Renton, situated on Cedar river, six miles southwest of Seattle. This magnificent property is now owned by the Oregon Improvement Co., of which T. F. Oakes is president. They

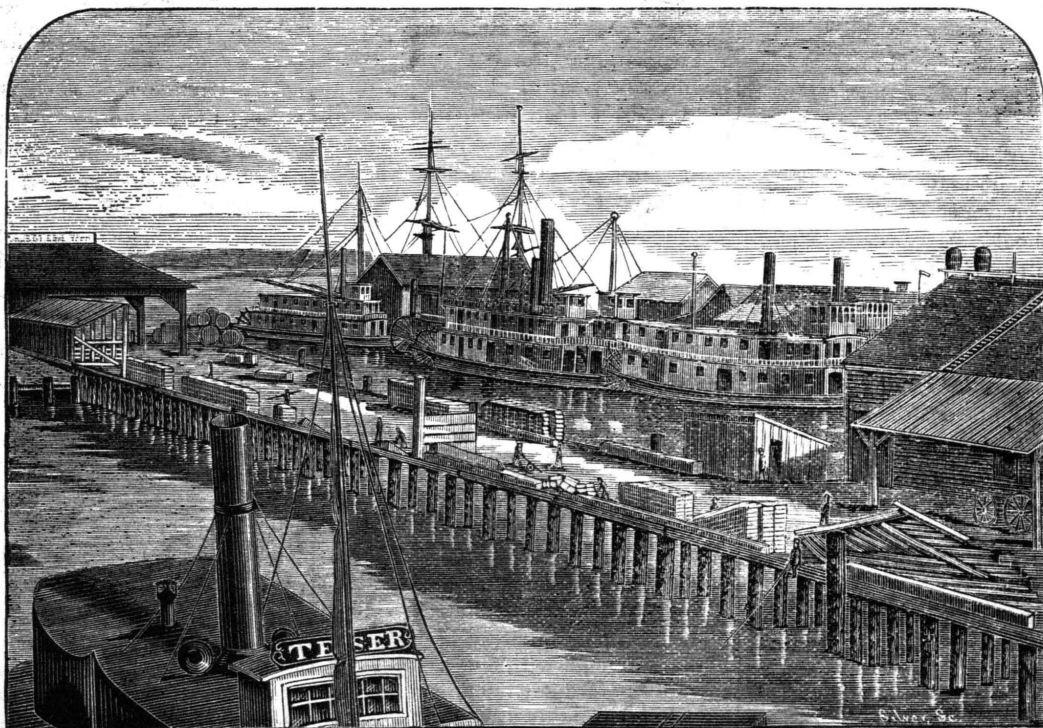
are preparing a line of steam colliers for the transportation of coal to San Francisco, one of which—the Wilamette—is already on her way around Cape Horn to engage in the trade.

Our view of the stern-wheel fleet alongside the Yesler wharf shows two old Columbia river favorites—the Otter and Annie Stewart—the others being built on the Sound. The Dispatch, Messenger, Fanny Lake, Zephyr and Nellie, are all serviceable boats, though inferior in size to our magnificent fleet built by Gates & Holland for the Oregon Steam Navigation Co. Yet they have done a great deal of good in bringing the trade of Snohomish, Skagit and other rivers to Seattle and amassed neat little dividends for their owners. The two finest boats on Puget Sound, the George E. Starr and North Pacific, were not in port when our illustration was taken and as they do not arrive there till after dark, our artist was obliged to get along without them.

The coal wharf at the south end of the city was built by the Seattle and Walla Walla Railroad Co., under superintendence of James M. Colman, the best saw-mill man on this coast, if there is one better than another. He saw that the greatest loss to coal miners is in breakage and hence resolved upon a new departure. Formerly the coal was brought in on cars and dumped

into a monster receptacle called a bunker, to await the arrival of a ship then it was again dumped into the ship's hold, thus occasioning double breakage in handling, Mr. Colman designed to handle the coal but once, and hence he equipped the road with a vast amount of rolling stock so as to shoot 1,200 tons of coal per day down a ship's hatches. His design has been a complete success.

Seattle is the most cosmopolitan of all northern cities, for she supplies labor and stores to all the milling ports. Sailors who may be discharged elsewhere go to Seattle to obtain work on other vessels, hence it is no wonder that on her streets you may jostle against the mercurial Frenchman, the rollicking Patlander, the plodding German and the tawny Lascar. Seattle has a splendid harbor filled with delicious fish, although she has never been able to make a success of oyster culture. It is no longer a question of time as to her prosperity. Her splendid cedar forest enables her to turn out the finest panel doors in America, and her ash and maple furniture is the best made on the coast for the money. While Portland has no cause to fear the business rivalry of Seattle, we are frank to say that no man who has so far bought property in the "Liverpool of the Pacific" will lose his money.



YESLER WHARF, SEATTLE, W. T.—Photo by Geo. Moore.

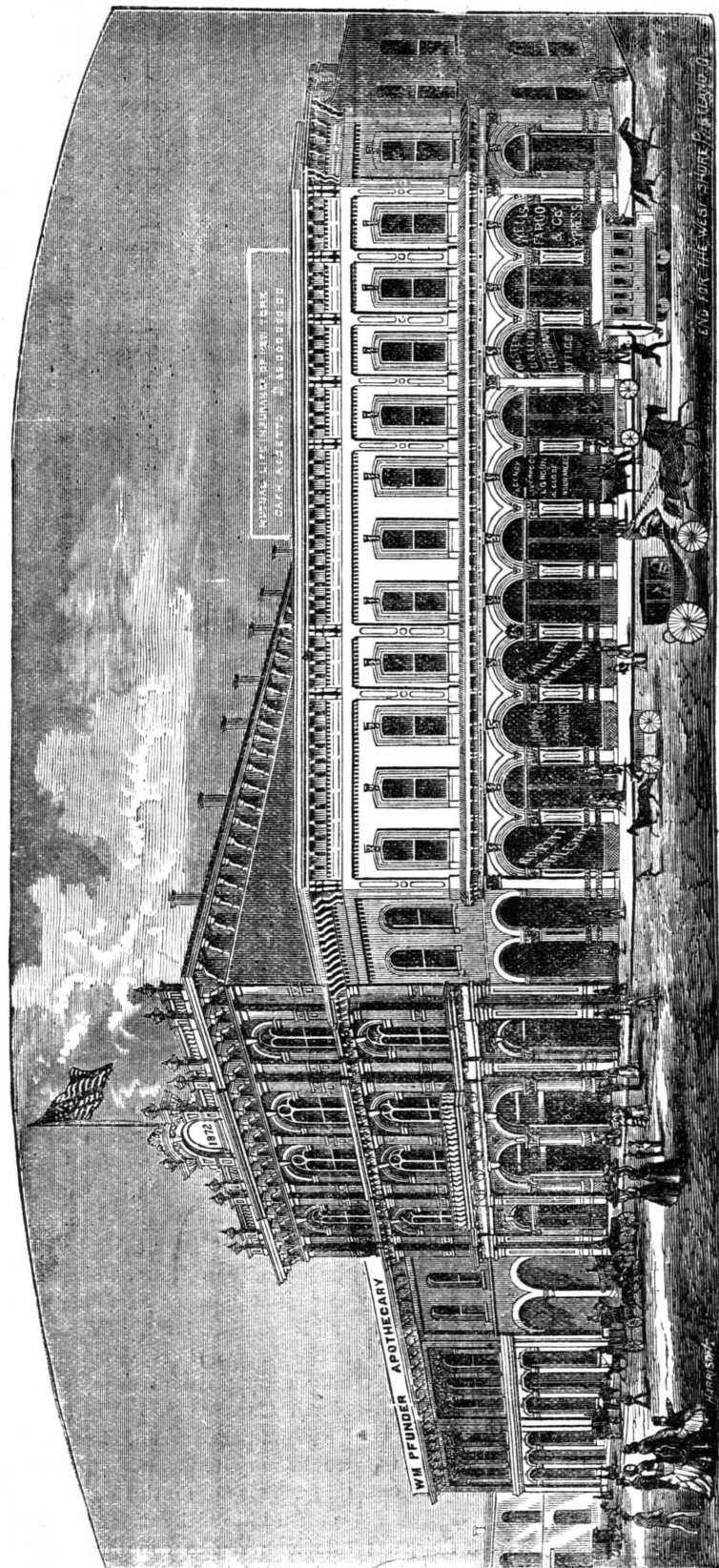
SHIPYARDS ON THE COLUMBIA.

Hitherto the carrying trade of the Columbia and Willamette rivers, so far as sail vessels are concerned, has been entirely controlled by bottoms built at Coos Bay. Those shrewd and energetic Yankees, the brothers Asa and Robert Simpson, did more in two years to noise abroad the good fame and name of Oregon than any other hundred men in the state. Their ship, the beautiful and ill-fated *Western Shore*, was a mechanical triumph for any state to be justly proud of, and it is doubtful if a better paying piece of ship property was ever built.

And, without unkind feelings toward these worthy gentlemen, let us here take occasion to say that we believe the time has come when Portland ought to assert its own supremacy by sustaining a home-built fleet of sailing vessels, built and rigged upon the Columbia river. The timber for construction of hulls is just as good here as at Coos Bay and, with equally good work in the carpenter's and blacksmith's departments, should turn out just as good vessels.

Messrs. Stephens & Richards, of St. Helens, twenty-two miles below this city, have recently commenced what they should be encouraged in by our capitalists—the building of schooners. They are about to launch their new vessel—the *General Garfield*—of 300 tons burthen, and we only regret that she does not measure 329. She is pronounced by Capt. Nat. Ingersoll, and several other competent judges, to be an excellent vessel in every respect. They employ a large number of men, and have materially aided the prosperity of St. Helens since locating there. They are willing to build a ship of 1000 tons if Portland merchants will only furnish the needed capital. She will cost \$50,000, and will employ 55 men at from \$75 to \$80 per month. One third of her cost and outfit could be cleared at the very first outward charter for the United Kingdom. Our own belief is that ships can be built at St. Helens cheaper than at Coos Bay.

The only obstacle that we know of in the way is the want of capital. Just so long as men can get 10 per cent. per annum on city property in Portland and East Portland, just so long will they turn a blind eye to shipyards, and allow Liverpool and London capitalists to absorb the carrying trade of Oregon's vast grain garden. The time has come now when our capitalists must take the bull by the horns and endeavor to check this tide of financial output with no reflux. Oregon must furnish the Old World with grain, and why should she not as well make the profit on carrying it to market?



NEW MARKET THEATER BLOCK, FIRST ST., BET. A AND ASH, PORTLAND, OREGON.—Photo by I. G. Davidson.

ALARMING INCREASE OF INSANITY.

BY WILL L. WADE, M. D.

The statistics of insanity for the last fifty years, show a remarkable increase of the number of insane persons. This is found to be the case in almost every civilized country in the world, and notably so in those countries where the highest type of civilization is supposed to prevail. The United States, Great Britain, France and Germany, report the greatest number to each million inhabitants, and also the greatest increase of percentage. To know a fact is one thing—the next is to seek the cause. That there is a definite, tangible cause, perfectly capable of being traced out, and proven equal to the production of the given effect, seems as plain to the writer, as any proposition within the range of human reason. The countries named do the greater part of their intellectual work of the world. Their authors, scientists and philosophers, occupy the foremost ranks, and have given tone to the literature of the world. If this high culture was the cause of the increase of insanity, we would naturally look for a large percentage of cases among the leading thinkers of the age, but careful inquiry reveals nothing of the kind, but an exactly opposite condition of affairs. We might count on our fingers all the leading literary or scientific men who have become insane during the last ten years. A visit to any large asylum, or an examination of the cases which pass through the hands of examiners for committal, will fully demonstrate the fact that intemperance, idleness and isolation cause many more cases of insanity than solid thinking. Intemperance in the use of intoxicating drinks and tobacco, are responsible for probably one-third of all the cases in existence. Speculation, with its attendant successes and failures, is another large factor in our estimation of causes. A solitary life, especially if the surroundings are gloomy or depressing, has stood in close causative relation to a large number of cases. Trappers, herders, miners and farmers wives, in many instances, lead lives of a monotonous character—with external influences wholly devoid of any pleasant suggestion. This is especially true during the "rainy season," on this coast, when enforced idleness and want of cheerful companion-

ship, unite with gloomy weather, to depress a system perhaps already enfeebled by disease.

When we come to sum up these various influences, intemperance, speculation and solitary living, we can see why the Pacific coast should show a large percentage of insanity, and why that portion should increase rather than diminish. A late report from the state of Massachusetts, assigns intemperance as the cause of one-third of the insanity in that state. The attention of physicians has been particularly drawn to beer drinking, and the opinion is gaining ground that in some way, it stands in a peculiar relation to the causation of insanity. This may come from two causes, either the overloaded condition of the blood vessels caused by the habit, or from the influence of various substances used in "*doctoring*" the beer.

That people who are temperate in their habits, and take proper care of themselves, seldom become insane, is a well known fact, and this is true even where the influence of heredity is a factor. Insanity is as much a disease as epilepsy, or typhoid fever, and is, in most cases, more preventable. Persons who are conscious of inherited tendencies can, in almost every instance secure perfect immunity from this disease by carefully observing hygienic laws, and avoiding excitement of all kinds. Obedience to the plainest and best known truths of physiology would in a few years reduce the occurrence of insanity on the Pacific coast fully fifty per cent.

THE COLUMBIA RIVER.

Rising in British Columbia, in latitude fifty-three degrees and twenty-five minutes, north, it flows southward for six hundred miles, through the eastern half of Washington Territory, to latitude forty-six degrees, where it turns westward, flowing in this direction for three hundred miles, emptying into the Pacific ocean in latitude forty-six degrees and fifteen minutes. For more than three hundred miles it forms the boundary between Oregon and Washington.

It is navigable at all times, for ninety-five miles from its mouth, to vessels of eighteen feet draught, and for nearly three hundred miles more for boats drawing six feet. Its largest tributaries, the Willamette and Snake, are also

navigable for river steamboats—the former for one hundred and seventy miles. It discharges annually almost as much water as the Mississippi at Vicksburg. Its width, for one hundred and fifty miles from the sea, is from half a mile to two miles.

Ships drawing from eighteen to twenty-two feet ascend the Columbia and Willamette to Portland, the principal depot of the Northwestern coast, one hundred and ten miles from the sea. Ten years ago vessels drawing more than twelve feet could not reach Portland during very low water. The present depth has been produced by the work done by the government, under the charge of the U. S. Engineer Corps, such as dredging, scraping, dams and jetties.

It is not only as a navigable stream, one of the finest in the world, that the Columbia is valuable. Its banks generally present a natural pathway for a railroad, with easy and almost continuous descending grades in the direction of the heaviest traffic, furnishing outlet for the wonderful agricultural wealth of Eastern Oregon, Washington and Idaho. One, perhaps both, of the transcontinental railroad, now building, and soon to be completed, will run along the banks of the Columbia from the mouth of Snake river to Portland.

When it is remembered that the soil of the Pacific Northwest yields in cereals, vegetables and fruit, almost double as much, on an average, as the other portions of the Union; that the finest timber for useful and ornamental purposes exists here in almost inexhaustible quantities, as well as coal, iron, and the other useful and precious metals; that the crops never fail; that the streams and bays are filled with fine salmon and trout; that our climate is free from severe storms and extremes of temperature, and pleasant and healthful; in short, that this section of the Union can support in health and comfort a greater number of human beings per square mile than any other, and is more desirable as a home than almost any other part, owing to the mild climate and pure atmosphere; there is no doubt that the first railway which reaches the valley of the Columbia from across the continent, will bring a tide of immigration which will soon spread over and fill our beautiful plains and valleys, even to the ravines in the foot-hills of the mountain ranges.

