The Daily Astorian.

ASTORIA, OREGON:

City and County Official Paper.

THE GOVERNMENT JETTY.

The Grand Work of Improving The

worthy careful consideration.

Progress of the work has been noted in these columns from time to

locomotive which was soon hand. Stepping in the cab, away we go, at the rate of twenty miles an hour, the length of the wharf, along the coast, and then on the trestle or jetty, heading straight out for the broad rolling surface of the Pacific

It is a novel sensation as the little engine bowls merrily along, for water is on either side and all around. It appears like sailing over the ocean in a notive, as if the rails were sus pended in mid-air, while the wind blows strong and the rolling waves seem striving to reach up and engul the puny mortals who dare to invade old Neptune's dominions in such a ner. Three and a quarter milare traversed, and there, out in the ocean, at the end of the tramway, is a huge piledriver, with engine, pump and all the heavy apparatus mounted on a car which occupies both tracks. The whole thing revolves on a circular track on top of the double car, and its ingenious work was illustrated.

Stepping on board, the motions are observed with interest. A pile 60 feet ong, and a foot in diameter is picked up by the boisting apparatus, and, like a buge monster with a stick in teeth, the entire thing revolves, the pile is brought to a perpendicular position, we are standing far out over the rolling, dashing waves, beyond the trestle and down goes the pile in search of McGinty.

The mode of driving piles is by hydraulic process. Attached to the sides are two pipes, and at the top of these, hose is connected and through

these, hose is connected and through this a strong pump hanging over the ocean, drives water with great force. This washes the sand and mud away from the bottom of the pile, literally digging a hole for it, and on the top a is dug by the water rushing through

the pipes.

Thus it is pushed down twenty feet in the sand and mud, the pipes are drawn up, and a few blows by the heavy driver sends the pile two feet further down. The sinking of the pile occupies but three minutes, but the preparations occupy considerable more time. About 18 piles per day are thus driven. As fast as four are placed, the huge machine is drawn back, a header is fastened across, timbers are laid on lengthwise, rails are fastened, and sixteen feet more is added to the length of the jetty. Then

States, a halt is made to observe a train of ten cars of rock being unloaded. The patent car is tipped and the patent car is tipped and down goes a hare rock residue are ten barges used, six of commerce passes this point. train of ten cars of rock being un-loaded. The patent car is tipped and down goes a huge rock weighing sev-

FACTS AND FIGURES.

Reaching the office, many interesting figures are obtained, and are well worthy of attention. The rolling stock consists of 4 locomotives, 52 cars for carrying and dumping rock, 6 flat cars, and 4 cars for carrying mattresses. Thirty of the rock cars are by the government under the direction of the engineering branch of the war department, which has already cost much more, for the improvement of the Columbin river, is a matter of importance and interest to all, and well worthy eareful consideration.

Reaching the office, many interesting figures are obtained, and are well over 5,000 piles, which are twelve in barbette carriages. There are twenty-interesting of the committee of figures are obtained, and are well over 5,000 piles, which are theelve in the following through the committee of figures are obtained, and are well over 5,000 piles, which are twelve in the figures are in fours, so of a new and improved pattern, costing \$450 cach, and were built at the works. A new pile driver was also seen in making eighteen feet across the four, and on these, strong headers are being made. There is a complete machine shop and buildings where the Columbin river, is a matter of importance and interest to all, and well worthly careful consideration.

Reaching the office, many interesting figures are obtained, and are well worthy of attention. The rolling the figures are obtained, and are well worthy of attention. The rolling the figures are obtained, and are twelve in the diameter and from 55 to 70 these in diameter and from 55 to 70 these in diameter are in fours, with a space of five feet between the two inner piles, which are twelve in the sold anneal trease in fours, and one of fifteen inch bore. The only right inch twenty-five are feet in-line Radman guns, three of which are ten-inch partorts, with a space of five feet between the two inner piles, on each side, and one of fifteen inch bore. The only right inch twenty-five in dameter and from 55 to 70 these in dameter and from 55 to 70 these in length. These are in fou Reaching the office, many interesting

moted in these columns from time to time for several years, or ever since operations were commenced, but as more than a passing notice is required, and in order that those who have not visited the work may form some idea of its extent and importance, a representative of The Astoriax accepted a kind invitation from the officer in charge, and spent several hours there yesterday.

Lewing Astoria at 11 o'clock on the government steamer George II. Mendel, it proceeded up the river to Seow bay where two large barges were taken in tow, each carrying 500 towing to Astoria, thence to Fork until it is dropped in the water, and the dock at Fort Stevens was reached, where a lively scene was witnessed.

Two large detricks are on the end of The Astoria Stevens and the commence of the account of the poles of the poles of the constructing the jetty or which is built expressly to order by J. F. Stef-town with the steamer George II. Mendel was built expressly to order by J. F. Stef-town was constructing the purpose, from which they are purpose, from which they are dumped into the water, and the water, and rock is dropped upon them. Between the piles and bents are dumped into the water, and rock is dropped upon them. Between the piles and bents are dumped into the water, and rock is dropped upon them. Between the piles and bents with the state of the contracted at the spot, the contracted at the spot, the poles being suspended from the timbers until the material process of the poles being suspended from the timbers until the poles being suspended from the timbers until the material process of the poles being suspended from the timbers until the poles being suspended from the constructing the pitty was commenced. April 11, 1885, and the present length is 17,400 feet, or a little or the state of the poles being suspended from the constructing the pitty second per ton.

The rock is brought from the column and brush, securely for the traces, and brush, securely for the water, and the piles and the piles and the present the poles and

The steamer George H. Mendel was built expressly to order by J. F. Stef-fen, Portland, Oregon, and the ma-

CASH.

which carry 300 tons each, and four cral tons, never to come up until Gabriel's trump is blown, and perhaps not then.

As it strikes the surface of the ocean, the water spinshes up more than thirty feet, coming over the top of the engine, making an exciting the Mendel takes them down to the water spinsher's landing to Astoria, and the Mendel takes them down to the water at Fort Stevens.

PILES, BENTS AND MATS. Thus far there have been driven

the substantial wharf, each having a double-cylinder Mundy hoisting engine, with boiler, for hoisting rock platform was lowered down to the end of the wharf. A heavy platform was lowered down to the deck of one of the barges which was radown as it was a very low tide. Stepping on the platform our party of six were elevated high in air by the high decrick, and swung over and down to the wharf as casily as a man would lift a cane.

A NOVEL RAHAWAY.

J. W. Stoneman, overseer of the work, was there directing operations, and telephoned to the office, half a mile away, for a locomotive which was soon at

FORT STEVENS. Fort Stevens is a regularly con-structed fort, surrounded by a most structed fort, surrounded by a moat, crossed by a single bridge at the entrance, where heavily ironed plank doors are placed. No troops have been there since 1885, and it is in charge of Ordnance Sergeant McCabe, of the 2nd U. S. Artillery. The armament consists of thirty-four guns, twenty-four of which are mounted on barbetic carriages. There are twenty-pine Rodman guns, three of which are

all the necessary repairs are done, thus saving the expense and delay of sending abroad. About 120 men are now employed, and work will be pushed rapidly during the summer.

The rock is brought from the constructor's quarry on the Columbia fastened and brought out on the tram tractor's quarry on the Columbia fastened and brought out on the tram that the level of low tide.

Outside the piles, on the north side, are placed mattresses or mats as commonly called—20 feet square and other buildings form quite a village, which is occupied so far as needed by Mr. Hegardt and the men in the employ of the engineering department, for they all sleep there and are submant.

ONE PRICE

Removal Sa

Goods Sold Regardless of Cost!

Having leased for a long term of years the corner ore of Young's new building on the corner of Third and West Ninth in this clay, it becomes necessary for me to move my slo a and fixtures from present location, and to avoid as Ell - tr. ble and waste of time as possible I offer my well. elected stock of

Men's and Boy's Clothing, Gent's Furnishing Goods, Hats, Caps, Trunks, Valises, Umbrellas, Blankets. Quilts. Etc.,

REGARDLESS OF COST, until my removal to the new ocation, where I shall continue to conduct business as I have for the past three years-buying goods from the driver, weighing 5,000 pounds acts as manufacturers and selling them under a low expense a powerful persuader to induce the for CASH and at ONE PRICE to all alike, every day in the year, manufacturers and selling them under a low expense

EXCEPT SUNDAYS AND HOLIDAYS.

Settling in this city over six years ago, where I found a very healthy climate and good natural advantage etc., I concluded three years ago to open business in my line on my own account, with the intention, if possible to give no one an excuse to take or send money out of Astoria to build up any other city in preference.

And as I Have Succeeded in Building up a Good Business, and am

A CHILD BUYS AS CHEAPLY AS THE MOST EXPERIENCED BUYER.

I. L. Osgood,

On returning from the end of the westernmost railroad in the United Opposite Rescue Engine House,

ASORIA, OREGON.

Here to Stay.

the tramway is \$4.65 per running foot. Ten new cars have been built this last winter, as well as extension of track, switches and turnouts, to facilitate operations. If necessary, 1,200 tons of rock could be handled daily, taken from barges and dumped into the jetty. The trestle work and tramway is extended some distance beyond where

he mattresses and rock have been THE KNIGHTS OF PYTHIAS AMATEUR placed, but these are daily beng ex-tended. At extreme low-water mark one can walk out on the sand nearly half the length of the jetty, and the rocks can be seen some distance further. The fascines cost \$2.74 per cord, and re of fir, codar, hemlock, or willow The poles cost 24 cents each, delivered. The piles are brought from Vancouver. For general convenience, the wharf, office, residence and barracks, and the end of the jetty are connected by telephone. A government telegraph line connects Fort Canby, Fort Stevens and Astoria. One is also constructed down the coast some twenty miles to Tillamook, and a cable

rock. A system of electric bells is in use connecting wharf, office and residence, so that an alarm in case of fire can be given instantly by the watchmen at those places.

The local officer in charge, is G. B. Hegardt, assistant engineer, who makes weekly and monthly reports to Major Thomas H. Handbury at Portland, who is major, corps of engineers,

s soon to be put in connecting with

the light house station on Tillamook

U. S. army, and in charge of all the government improvements in Oregon

their first appearance on Monday Evening, April 28th, 1890.

DRAMATIC SOCIETY will make

Damon AND Pythias

THE PROCEEDS to be applied to the Wid-ows' and Orphan's Fund of Astor and Partile Lodges. Knights of Pythias, of This City.

"At thoughts of home and things we love at home, the eye will moisten and the heart grow faint." - Damon and Pythias,

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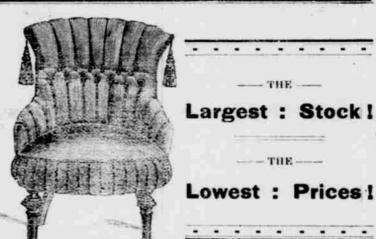
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-FRED SAIZ

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NEW

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