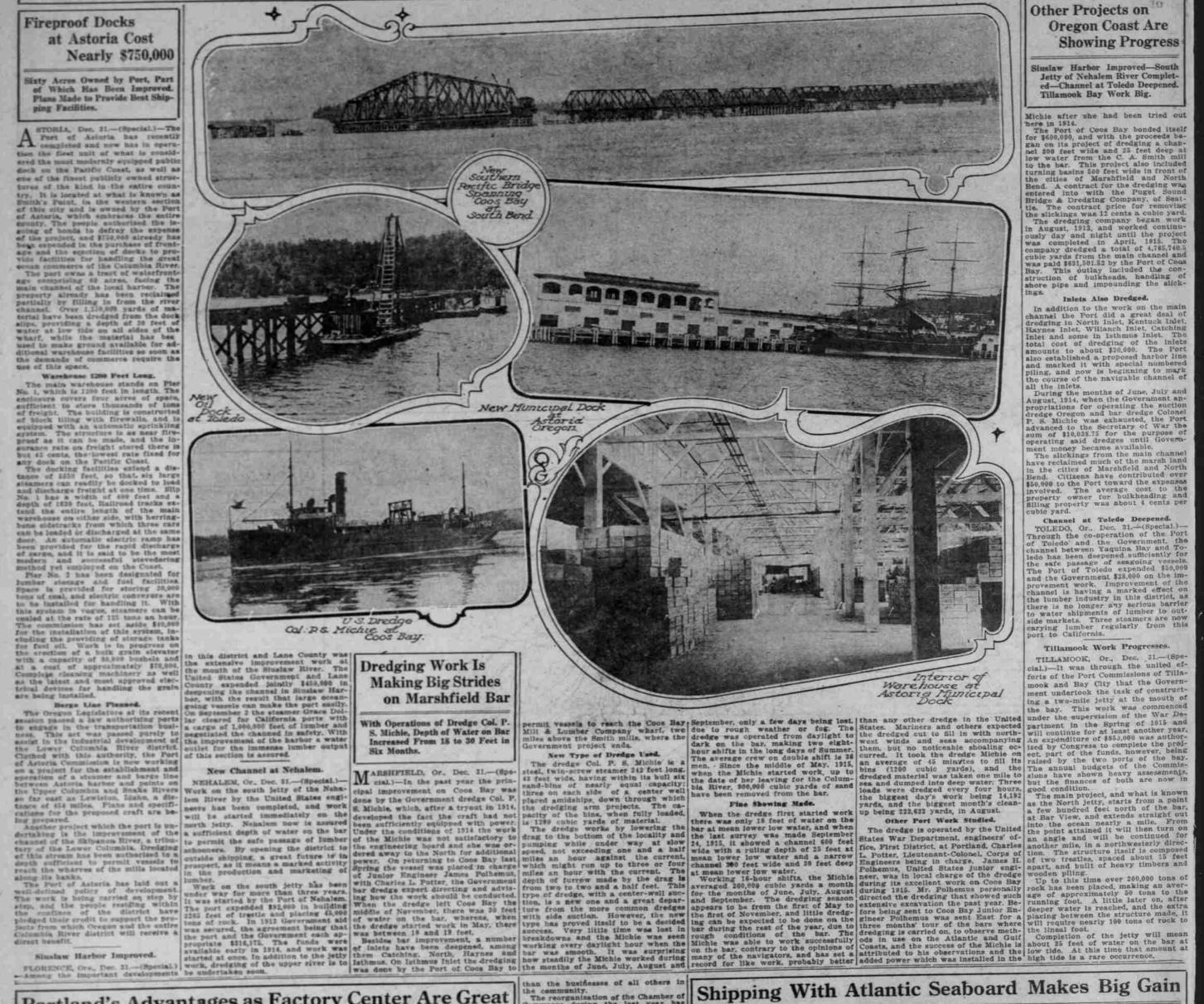
## Development of Ports in Oregon During Past Year Extensive

Fireproof Docks at Astoria Cost Nearly \$750,000

Sixty Acres Owned by Port, Part of Which Has Been Improved. Plans Made to Provide Best Ship-

STORES, Dec. 21 .- (Special.) -- The completed and new has in opera tion the first unit of what is considered the most modernly equipped public the Parific Coast, as well as dock on the Parific Coast, as well as one of the finest publicly owned structures of the kind in the entire country. It is located at what is known as Smith's Point, in the western section of this city and is owned by the Fort of Astoria, which embraces the entire tountry. The people authorized the ingoing of honds to defray the expense of the project, and \$150,000 aiready has been expended in the purchase of frontage and the exection of docks to provide facilities for handling the streat occan seminerce of the Calumbia River. The part owner a tract of walerfruntage empressing 40 acres, fucing the main channel of the local barber. The property already has been reclaimed partially by filling in from the river chained. Over 1,10,000 yards of material have been dredged from the dock aligs, providing a depth of 30 feet of water at low tide on all sides of the wharf, while the majorial has been used to make ground available for additional warehouse facilities so soon as the demands of commerce require the use of this space.

Warehouse Libb Feet Long. one of the finest publicly owned struc-



## Other Projects on Oregon Coast Are **Showing Progress**

Siuslaw Harbor Improved-South Jetty of Nehalem River Completed-Channel at Toledo Deepened. Tillamook Bay Work Big.

Michie sfter she had been tried out here in 1914.

The Port of Coos Bay bonded itself for \$400,000, and with the proceeds began on its project of dredging a channel 500 feet wide and 25 feet deep at low water from the C. A. Smith mili to the bar. This project also included turning basins 500 feet wide in front of the cities of Marshfield and North Bend. A contract for the dredging was entered into with the Puget Sound Bridge & Dredging Company, of Seatile. The contract price for removing the slickings was 12 cents a cubic yard. The dredging company began work in August, 1913, and worked continuously day and night until the project was completed in April, 1915. The company dredged a total of 4.785,746.5 cubic yards from the main channel and was paid \$531,501,501,501 by the Port of Coos Bay. This outlay included the construction of bulkheads, handling of shore pipe and impounding the slickings.

Inlets Also Dredged.

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In addition to the work on the main channel the Port did a great deal of dredging in North Inlet, Kentuck Inlet, Haynes Inlet, Willanch Inlet, Catching Inlet and some in Isthmus Inlet. The total cost of dredging of the inlets amounts to about \$10,000. The Port also established a proposed harbor line and marked it with special numbered piling, and now is beginning to mark the course of the navigable channel of all the inlets.

During the months of June, July and August, 1914, when the Government appropriations for operating the suction dredge Oregon and bar dredge Colonel P. S. Michle was exhausted, the Port advanced to the Secretary of War the sum of \$10,033.75 for the purpose of operating said dredges until Government money became available.

The slickings from the main channel have reclaimed much of the marsh land in the cities of Marshfeld and North Bend. Citizens have contributed over \$50,000 to the Port toward the expenses involved. The average cost to the property owner for bulkheading and filling property was about 4 cents per cubic yard.

Channel at Telede Deepened.

Toledo Or., Dec. 31.—(Special.)—

Channel at Toledo Deepened.

TOLEDO, Or., Dec. 31.—(Special.)—
Through the co-operation of the Port of Toledo and the Government, the channel between Yaquinn Bay and Toledo has been deepened sufficiently for the safe passage of seagoing vessels. The Port of Toledo expended \$55,000 and the Government \$28,000 on the improvement work. Improvement of the channel is having a marked effect on the lumber industry in this district, as there is no longer any serious barrier to water shipments of lumber to outside markets. Three steamers are now carrying lumber regularly from this port to California.

Tillamook Work Progresses.

TILLAMOOK, Or., Dec. 31.-(Special.)—It was through the united ef-forts of the Port Commissions of Tillamook and Bay City that the Government undertook the task of construct-

Statemen (Seeding of Seeding of S

		Tons.	Value.
1	January	4,559	\$ 614,95
ı	February	7,036	975,78
3	March	4,543	606,49 828,45
	April	5,555	1,041,70
ı	May	9 854	1,278,10
1	June	9 050	1,077,15
1	Ammut	4 023	591,21
	August	3.877	523,17
1	October	1,022	126,70
1	November.	*****	4 4 2 2 2 2
	December	2,091	256,59
ı	Total		\$7,929,43
j	Cargo From Atlantic Co	onst Po	rts, *1914
1		Tons.	Value.
1	September		\$ 951,42
	Detabar	5.214	605,75
1	November	7,070	742,35
ł	December	5,758	636,62
	Total	25,905	\$2,826,15
į	Themsille		
ı	"January, February,	Mar	ch, Apri
d	May, June, July,	Augus	-no rec
э	ord		