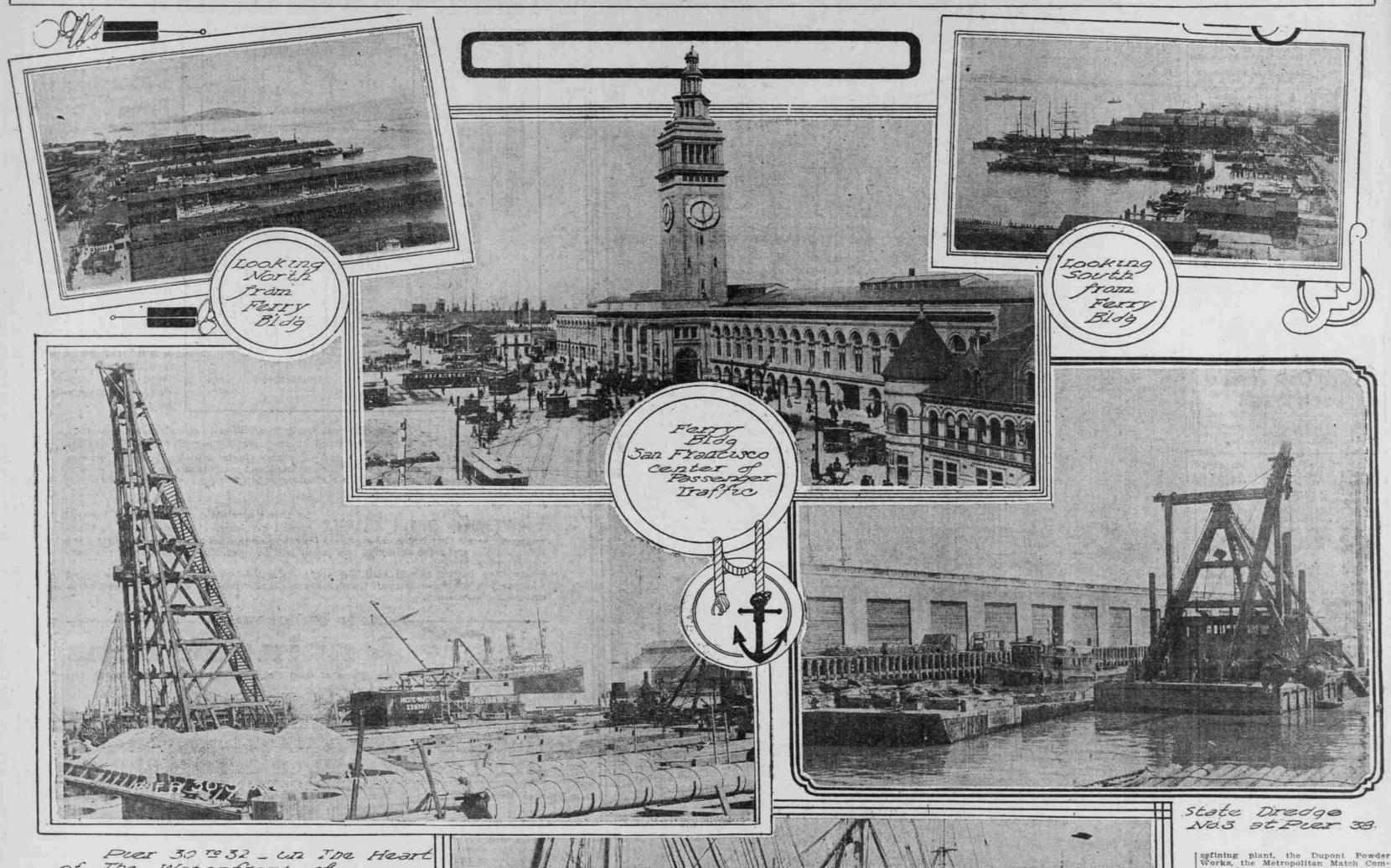
MILLIONS ARE BEING SPENT PREPARING FOR CANAL TRADE

San Francisco, Berkeley, Oakland, Richmond and Bay Harbor Centers in General Have Elaborate Systems of Modern Docks Under Way in Anticipation of Panama Traffic



of The Waterfront of San Francesco

W SAN FRANCISCO BAY ITIES ARE PREPARING HOW SAN FRANCISCO BAY CITIES ARE PREPARING

FOR CANAL OPENING. San Francisco has a most elaborate system of concrete docks ex-

tending from the North Point to the South Basin, a distance of six miles, and is still building. The City of Richmond, the new

manufacturing locality on the east shore of the bay, has started improvements which will cost \$18,500,000

Oakland has already authorized a bond issue to the extent of \$2,200,000, and probably will issue more. The Government has also spent several million in Oakland improvements.

Berkeley, the college town, has a pler, two miles long, at which the South Pacific traders unload their wares and it will soon consider the making of a great inner harbor.

All these works are of the latest design, one mass of concrete. .

SAN FRANCISCO, June 28,--(Special.) —The foresight which has charac-terized Californians in many ven-tures of the past is again brought out in the millions which are being spent in harbor improvements. That these operations represent the extreme optioperations represent the extreme optimism of the Golden State people is thought by a few, but the majority are confident that the Panama Canal will bring enough ships to crowd even the the state of the state of modernizing the old front and building more new docks.

San Francisco, the commercial leader of the Bay at present, is outstripping the cross-bay neighbors in present work, but not very far. The miles of manufactoring property on the east shore of the bay are beginning to poke and the construction of the bay are beginning to poke the cross to die to dear matter to the top. It is 40 feet bigh, which will make a depth of 30 feet at low tide. The present unit is out or to dig to deep water, to reach out for the ships which will soon be passing through the Golden Gate in ever-increasing numbers. In fact, the people of the east shore

In fact, the people of the east shore have even more hope for their citles than San Francisco. The rumor that the Hill lines will make a terminal somewhere on the east shore is an add-

Mark Burg Francisco. The runner that we is terminated in a data we is the stand in the same i

in filling some of the adjacent low ground.

ing replaced by more modern ones equipped with the latest loading de-

city presenting the best shipping facilities. Engineers in charge, who have made a study of the work in foreign lands, say that the San Francisco faitles. cilities will, if anything, even surpass

Cilities will, if anything, even surpass those of other lands. The work proposed includes the Goat Island project and the building of further terminal facilities. Should Goat Island he refused them, the San Francisco engineers will begin their search elsewhere

Oakland's greatest feat is the construction of an immense inner harbor on the west front of the city. This means the excavation of two square miles of tide land to the depth required for the passage of modern ships. Enough of this work has been done to enable the handling of the biggest ships afloat and the work is progress ing night and day.

Portland Problem Similar.

The docks there are placed along

bring enough ships to crowd even the miles of concrete piers and quays which are rising on all sides of the bay. San Francisco, the commercial leader

Scene Along Waterfront, San Francisco

raised for improving the shipping facilities of Oakland has been spent the slit and made factory sites benon what is locally known as the Key Route Basin project.
This broad flat is for the most part above water at low tide and never covered by more than four or five may be easily handled on their factory line was formerly about 1½ miles out toward San Francisco.
The first step was the construction of several miles of bulkhead. Then the filling of the land behind it. However, the plan which the city is plans which the city is plans to the land behind it. However, the plan which the city is plans from the city of Oakland which it. However, the plan which the city is plans to calls for the construction of several miles of bulkhead. Then the filling of the land behind it. However, the plan which the city is plans to call the construction of several miles of bulkhead. Then the filling of the land behind it. However, the plan which the city is plans to call the construction of several miles of bulkhead. Then the filling of the land behind it. However, the plan which the city is plans to call the construction of several miles of bulkhead. Then the filling of the land behind it. However, the plan which the city is plans to call the construction of several miles of bulkhead. Then the state the plan which the city is plans to call the construction of several miles of bulkhead. Then the state the plan which the city is plans to call the construction of several miles of bulkhead. Then the state the plan which the city is plans to call the construction of the set of the construction of the set of the stand of the state the city of Oakland which it. However, the plan which the city is construction of the set of the standard Oil Company's largest the wharf buildings are of sheet from the city of Oakland which it. However, the plan which the city is the state the city of the standard oil Company's largest the wharf buildings are of sheet from the city of the standard oil Company's largest the wharf buildings are of sheet fr

of 5 months, almost a living skeleton, weighing but one-half pound more than it did at birth—it was all a mat-ter of improper feeding. The child spe. body straight which is demonstrated at the bur-ter, which is demonstrated at the bur-ter of improper feeding. The child spe.

than it did at birth—it was all a mat-ter of improper feeding. The child spe-clalist was called upon and gave the mother much-needed advice. The child is now thriving. One year ago, at one of the suburban Mothers Circles, a talk was made by one of the officers of the Council of Mothers Circle knowing of a young mother who was in sore need of friend-iv and the scale gave and a consider-ations how to prepare the practical lay-stte, which is demonstrated at the bur-stu; another writes for literature bear-ing on child welfare. One young mother frankly and eag-rig to told of her family experience. feeling that it might be of help to the local circle knowing of a young mother who was in sore need of friend-ly and efficient coursel prevailed upon

the Chehalis & South Bend branch,

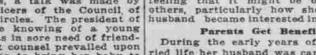
have been sold, according to an announcement made today. About 250 .-Inquiries Are Numerous. Not merely among the mothers of the city is the influence of the bureau felt, from all sections of this and other

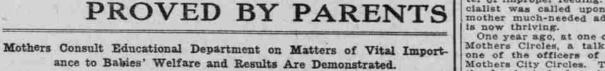
others are interested. It is proposed to incorporate at once and erect a shinglemill at Littell. conditions justify, a big sawmill will

CHEHALIS, Wash., June 28 .- (Special.)-The entire holdings of the Chehalis Lumber Company, located at Littell, four miles west of Chehalis, on

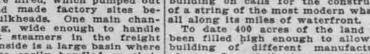
ber Consummated at Chehalis.

During the early years of her mar-ried life her husband was carless in his Deal for 250,000,000 Feet of Tim-





BENEFITS OF BUREAU



boasts of the greatest number of va-ried industries, all on a large scale. Many of the shipping companies of the metropolis across the bay now come over to Richmond to meet the trans-continental trains, instead of standing the heavy haul around or over the bay.

\$18,500,000 Plans Drawn Up.

The plans drawn up call for the ex-penditure of \$18,500,000, but it will be several years before all this will be completed.

pany, the Pullman Car Company, and shops of several railroads, It also has a stove works and

It has the same difficulty that confronts all the East Shore cities, in having to reach out to deep water or else to bring the deep water in. Richmond has started on the latter, and has three has started on the fatter, and has the large inner harbors proposed. Work on one has been in progress for some time, and will be finished long before the increased traffic of the Panama Canal starts to bring in the freight-laden boats from all the world.

In all this work, the style which San Francisco has started will be fol-lowed. In San Francisco Bay the life which destroys all wooden plies is even more destructive than in other salt-water harbors.

This has brought about some entire-This has brought about some entire-ly new methods of construction. From top to bottom the latest docks are all steel and concrete, and are more bridges than wharves. The deep sedi-ment and loose sand of the bottom of the bay makes sinking plers for the heavy upper work a difficult matter. The engineers have devised long

The engineers have devised long tubes which are first sunk in the mud. When these reach hard soll, the mud

The wooden docks are rapidly be Hamburg has long been quoted as the