

SAN DIEGO HARBOR

STATISTICAL REPORT AND PETITION

INDORSED BY

THE COMMON COUNCIL OF THE CITY OF SAN DIEGO
THE MERCHANTS ASSOCIATION OF SAN DIEGO
THE MANUFACTURERS ASSOCIATION OF SAN DIEGO
THE CHAMBER OF COMMERCE OF SAN DIEGO COUNTY

COMPILED BY THE CHAMBER OF COMMERCE OF SAN DIEGO COUNTY

RESOLUTION NO. 20367.

RESOLUTION APPROVING THE REPORT FILED BY THE SAN DIEGO COUNTY CHAMBER OF COMMERCE WITH THE CITY CLERK OF SAN DIEGO, CALIFORNIA, ENTITLED, "SAN DIEGO HARBOR STATISTICAL REPORT AND PETITION."

WHEREAS, the community early realized the need of Harbor Improvements, and

WHEREAS, it has loyally supported the improvements already made by a vote of overwhelming majority, and

WHEREAS, the faith in the development of the future of the City has been more than realized, and

WHEREAS, the completion of the San Diego & Arizona Railroad to the East will bring to this port an immense traffic, both passenger and freight, for which adequate facilities must be prepared at this time and without delay, and

WHEREAS, the Common Council of the City of San Diego is making the necessary arrangements to deepen the waters to a sufficient depth to permit coastwise vessels to land at the combination pier and bulkhead, believing that the Government will widen and deepen the necessary approaches to the pier and bulkhead, so as to permit of the continuous use thereof.

THEREFORE, BE IT RESOLVED BY THE COMMON COUNCIL OF THE CITY OF SAN DIEGO, CALIFORNIA, AS FOLLOWS:

That the City of San Diego, through this, its Common Council does hereby endorse and approve the thorough report compiled by the Chamber of Commerce of San Diego County, a copy of which is on file in the office of the City Clerk of said City, entitled, "SAN DIEGO HARBOR STATISTICAL REPORT AND PETITION", and does hereby join in the request as set forth in said report, for Federal aid in dredging the harbor as outlined.

Passed and adopted by the said Common Council of the said City of San Diego, California, this 20th day of September, 1915.

Edwin M. Capps.
Mayor of the City of San Diego,
California.

Allen H. Wright,
City Clerk of the City of San Diego,
California, and Ex-Officio Clerk of
the Common Council of the City of
San Diego.

San Diego, California.

September 22, 1915.

Major R. R. Raymond, and
Board of Army Engineers,
Washington, D. C.

Gentlemen:-

WHEREAS, the City has expended recently the sum of \$1,400,000 in providing a municipal dock and warehouse, an administration building ample in size and attractive in appearance, 2675 feet of combination pier and bulkhead, all of said construction being of the most modern type of reinforced concrete and in dredging both alongside and in front of pier, and

WHEREAS, part of the funds available were spent in doing the latter work in Federal Territory beyond the pier head line in order to furnish immediate relief for the passage of ships when such expenditures rightfully should have been applied to dredging in front of the combination pier and bulkhead, and

WHEREAS, it is absolutely necessary to protect and safeguard the work completed by the community, and the City is therefore as explained fully in the attached report, asking the Federal Government to bear an equitable share of the burden of improvements now confronting the municipality especially in view of the fact that said improvements are of equal Federal and civic importance, and

WHEREAS, in view of the above statement of facts and the attendant request for assistance, it is necessary that a comprehensive report be available to the end that the Federal Government through its various departments may have authoritative reports, data and statistics.

THEREFORE BE IT RESOLVED, that the Chamber of Commerce of San Diego County at its regular meeting held Wednesday, September 22nd, 1915, unanimously endorse and approves the report submitted herewith, and respectfully petitions the Federal Authorities to appropriate the funds necessary to complete the work contemplated.

CHAMBER OF COMMERCE OF SAN DIEGO COUNTY.

Carl H. Heilbron, President.

Wm. Tomkins, Secretary.

COPY

San Diego, California.

September 21, 1915.

Major R. R. Raymond, and
Board of Army Engineers,
Los Angeles, California.

Gentlemen:-

The Board of Directors of the Merchants Association has unanimously adopted the following resolutions which are respectfully submitted for your consideration:

RESOLUTIONS.

- Whereas Shipping facilities by rail and by water are of vital necessity to the successful development of the commercial activity of the community, and
- Whereas San Diego is one of the principal Pacific Coast terminal ports as determined by the Interstate Commerce Commission, and
- Whereas Arrangements have been already effected by the local shippers for the use of the Municipal Dock and Combination Pier and Bulkhead, and
- Whereas New industries are availing themselves of locations on the reclaimed City tide lands, with the expectation of utilizing the said Combination Pier and Bulkhead, and
- Whereas It would work a great hardship on the merchants and business men generally should they be compelled at the end of six months to abandon these facilities and be forced to return to privately owned docks, therefore be it
- Resolved That we heartily concur in the report prepared by the Chamber of Commerce of San Diego County, and respectfully urge upon those in authority the value and absolute necessity of rendering assistance asked for in said report.

By order

Board of Directors

W. O. Talbot,
Secretary.

Merchants Association of San Diego.

HISTORICAL.

On May 1st, 1911, the State of California formally ceded to the City of San Diego, absolute municipal control of all that portion of San Diego bay lying immediately along the bay shore line of this municipality.

In November of the same year (1911), the citizens of San Diego agreed to the issuance of \$1,000,000 worth of bonds by the unprecedented vote of 7196 votes for, and only 133 votes against, thus showing the intense interest of the citizens in the need of harbor development. Later an additional \$400,000 was used, making the total expenditure to date \$1,400,000.

CONSTRUCTION TO DATE

The work as at present completed consists of one reinforced concrete pier 130 feet in width and 800 feet in length, also 2675 lin. feet of gravity type mass concrete sea wall provided with a heavy reinforced concrete apron or slab for its full length, this slab is 25 feet in width and designed for receiving freight or passengers from coast wise vessels. The depth of water alongside the pier is 35 feet at lower low water, while the depth of water in front of the bulkhead wharf will be 20 feet below low water when dredged out. Thus it will be seen that 1600 lin. feet of deep sea berth room is now provided at the pier, and approximately 2600 lin. feet of coaster dockage along the bulkhead wharf will obtain when dredged out.

In the original plans and specifications for the work provisions was made for a channel 300 feet in width

loading from the main channel in the bay to the pier, which was contemplated would be sufficient to pass and dock all ships at the pier. It was soon discovered that owing to cross-currents and the prevailing northwesterly winds acting upon the ships free-board, coupled with the necessarily low velocity of ships required to make a safe dockage, had a serious tendency to drift the ship into the mud bordering the channel. This was especially so in ships having a single propeller. By referring to the map thereto attached, the area shaded in red is the result of the dredging up to the present time. That portion outside the pier head line is dredged to a depth of 32 feet below lower low water, while that portion inside the pier head line and surrounding the pier is dredged to a depth of 35 feet below lower low water.

To facilitate the landing of ships at the pier, in time for the Panama-California Exposition, approximately \$300,000 was expended in the federal territory outside the pier head line, which sum should have been used in dredging in front of the bulkhead wharf. The result of this dredging still leaves a channel which ship owners claim is too narrow for safety. Besides if there is a boat on each side of pier it will not be possible to use any part of the 2675 feet of combination pier and bulkhead. The cut is in places 25 to 28 feet with banks on a slope of one to one. It is plain that these slopes will be rapidly eroded by the action of cross-tidal currents, and currents set up from propeller action, thus reducing to a dangerous degree the available width of channel.

PETITION.

To avert this tendency to shoal, and to provide a more satisfactory and safe channel for the ingress and egress of shipping, it is most urgently requested that the federal government widen this channel in the manner as exhibited upon the tentative plans hereto attached, shown in blue, and to such an extent as in its judgment may seem right and proper.

REQUIRED SURVEY.

We are reliably informed that we cannot get a survey for this point inside of four years. By the time it would pass congress it would be fully five years and therefore it can readily be seen that unless this request is granted no benefit would accrue from the \$1,400,000 already expended by the City. The following item quoted from the Rivers and Harbors Act of 1915, would appear to give the engineers full authority to make the desired survey - "San Diego Harbor, California - with a view to widening the main channel at the Government Coaling Station, and at other places in the harbor where widening may be needed: providing ample approaches to the municipal docks and wharves and a suitable turning basin."

GENERAL CONDITIONS

There are many factors at work in the up-building of the port and City of San Diego, so plainly evidenced to those who are in close touch with the situation as to indicate a largely increased commerce at no distant date. In fact to the people of this community the problem of

handling this business is a present problem of extreme interest and of the utmost concern and locally it is a generally accepted fact that such improvements as have been made, are being made and such plans as the City has in contemplation, warrant an immediate action of relief on the part of the Federal Authorities.

Attached herewith are detailed reports containing information and data relative to the business of the harbor of San Diego, and below are given a few statements showing the possibilities of this important port.

Factor 1. PANAMA CANAL. Much has been said and written about the effect on commerce of the construction of this wonderful water way, but San Diego already has experienced something of the results expected from the new order of things, and with the return to normal of conditions in the United States the City understands full well that it must be prepared to handle a largely increased traffic. As it is the freight movement has shown a steady growth and the passenger service an active increase. The latter of course is influenced by an equitable and matchless climate which pertains only in San Diego County.

PORT STATISTICS.

The total number of passengers handled on San Diego Bay twelve months, 1914 - 15, was 2,598,826.

Number of vessels entering port 1913, 875 - net tonnage, 1,099,173. 99 U.S. Government Boats, 2 British Gun Boats (exclusive of Ferry Service between interbay points and boats belonging to the fishing industry).

Number of vessels entering port 1914, 687 - net tonnage, 1,004,673. 168 U. S. Government Vessels, 11 British War Vessels, 1 French and 1 Japanese.

Number of vessels entering port 1915, (7 months), 434 - net tonnage, 676,721. 109 U. S. Government Boats.

THE FISHING INDUSTRY.

The fishing industry in San Diego is of excellent proportions, growing rapidly and with a splendid future. The products are shipped to France, England, Mexico, Hawaii and Canada. In the United States fresh fish, salted, smoked or dried and canned find their way into the markets of New Bedford, Massachusetts; Philadelphia, Pennsylvania; St. Louis, Missouri; San Antonio, Texas; Omaha, Nebraska; Denver, Colorado; Salt Lake City, Utah; Portland, Oregon; Seattle, Washington; and San Francisco, California.

The following is a partial list of the concerns engaged in this industry.

CANNED FISH.

Lower California Canning Co.,	- -	daily capacity	20 tons
Pacific Tuna Canning Co.,	- - - -	"	" 20 "
Premier Canning Company,	- - - -	"	" 15 "
Neptune Sea Food (being installed)	"	"	" 20 "

FRESH, SALTED AND DRIED FISH.

San Diego Fish Company,
American Fish Company,
American Union Fish Company
Union Fish Company,
Independent Fish Company,
National Fish Company.

PROSPECTIVE BUSINESS.

We have at the present time at our Panama-California Exposition a most excellent Brazilian Exhibit, under the charge of Dr. Eugenio Dahne. This display was brought here recently with the expressed purpose of developing interest in the exchange of products between the United States and Brazil. This project is backed by the Brazilian Government and means a new steamship line for San Diego. The South coast Steamship Company is a new concern which is now seeking shipments for Mexico, Central America and South American ports, via San Diego. There is also here resident Mexican capital awaiting settled conditions in Mexico for the installation of a steamship line to Pacific Coast ports in that country. It is reported that on the East coast of the United States, a \$12,000,000 organization is being consummated for the handling of shipments and passengers between New York and San Francisco stopping at San Diego. Recently large ship building concerns have been making investigations with reference to establishing a plant for construction purposes. Likewise, plans have been drawn for New Jersey capitalists who desire to locate at this point repair shops of large proportion.

Factor 2. CLIMATE. Because of the exceptional weather conditions and topography prevailing in San Diego and throughout the county this field is possessed of wonderful advantages for the training of U. S. Aviators, U. S. Marines and U. S. Cavalry. On account of the climate San Diego County in time will probably have the most congested population of any section of the United States. Naturally the demands of such a growing population will

require harbor facilities of the highest type. The statement of the City's growth since 1909 is ample proof and this is the record of any City of this great country of ours. Population in 1909, 30,000 - population, July 1st, 1915, 109,195.

Factor 3. COUNTY PRODUCTS. Twenty per cent of all of the lemons grown in California, are produced in this community. These together with oranges, other citrus and deciduous fruits return to the farmers One and One-half Million Dollars annually. The county further produces One Million Dollars in hay and forage crops. A Half Million Dollars from grains and seeds. Fifteen and One-half Million pounds of grapes; Two and One-half Million pounds of olives; Three and One-half Million gallons of milk; One Million dozen of eggs; a Million and One-half pounds of honey, and a seeming endless variety of semi-tropical fruits. Of considerable and increasing importance is the production of the winter vegetable which find a ready market along the coast as far North as Seattle.

Factor 4. IMPERIAL VALLEY. Just East of San Diego County lies this great inland empire, originally a part of San Diego County. Because of the nearness to this City it is still a part of the development of this section, especially along business lines. This territory contains 480,000 of as rich land as can be found in any part of the world. In 1910, the assessed valuation was \$9,000,000 - four years later it amounted to \$36,500,000. It produced last year 52,000 bales of cotton above the line, and 16,000 bales were imported at Calexico from below the boundary. It also produced 2,700,000 pounds of honey; 6,700,000 pounds of butter; 45,000 pounds of

eggs and poultry; 4000 cars of cantaloupes, and other products in like manner. Below the National boundary line there is another tract of 500,000 acres equally as good as the Imperial Valley, which will be brought under cultivation as soon as there is an established Government in Mexico.

SAN DIEGO AND ARIZONA RAILROAD.

All of this territory is brought into close touch with the City of San Diego through the construction of the San Diego & Arizona Railroad. The completion of this road, a problem of six months, will revolutionize commercial activity at this point. The State Railroad Commission has thought so well of the project that permission has been granted to the organization to issue bonds in the sum of \$10,000,000. The road will have an average grade of less than $\frac{4}{10}$ of 1%, and will shorten the time of travel by rail between El Centro and San Diego, from 12 to 4 hours. We attach herewith exhibit showing the total distance, the number of miles already completed, the number of miles yet to be constructed together with photographs of the trackage, tunnels and equipment. In connection with the above it should be borne in mind that the Interstate Commerce Commission has given San Diego a preference by establishing for the port terminal rates. These rates together with the magnificent harbor facilities makes the City one of the three great harbors in the United States on the Pacific Coast.

Factor 5. Perhaps in considering the Port of San Diego there is a tendency to lose sight of an exceedingly important factor, that is, the development is considered only locally, whereas, as a matter of

fact the entire development of the Southwest is interested in terminal facilities at this port. To understand this factor you must bear in mind that \$1.00 on a railroad carries one ton of freight 129 miles, while by boat the same dollar will carry freight 1250 miles. In other words freight will go from the Eastern points to San Diego as a distributing center by boat and then be forwarded inland by rail. With this in mind there will be a dividing line where shipments by rail from the East will compete with shipments by boat and rail, via San Diego.

Roughly this line extends from El Paso to Denver. In order that some idea of the possibilities of this vast country can be understood there is attached a sheet showing present and prospective growth and the amount of materials, equipment and so on which will enter into the development in the next few years. Naturally in order to pay for this development there must be exchanged an equal amount of the products of the soil, mines, etc.

The data supplied upon the following sheets was compiled from the statements and reports of from three to five public officials, representatives of each county in each State, and is as complete an estimate as it is possible to make at this time.

ESTIMATED VALUE OF MATERIAL NECESSARY TO THE DEVELOPMENT OF THE GREAT SOUTHWEST.

In the development of the agricultural lands of the Great Southwest, there are possible 663,604 irrigated and 79,327 nonirrigated (dry farms) farms. A total of 742,931 farms requiring various materials of the values shown below, 73% of which is yet to be taken care of

Lumber.....	\$1,225,836,000.00
Hardware.....	167,159,000.00
Doors and Windows.....	185,732,000.00
Roofing Paper and Shingles.....	179,789,000.00
Cement.....	104,010,000.00
Fireplaces and Mantels.....	57,146,000.00
Plumbing.....	111,439,000.00
Stains.....	59,434,000.00
Varnishes.....	17,830,000.00
Paints.....	11,143,000.00
Tinting.....	33,451,000.00
Brick.....	44,575,000.00
Wiring.....	18,573,000.00
Gas Fittings and Fixtures.....	48,290,000.00
Talking Machines.....	55,719,000.00
Pianos.....	222,879,000.00
Sewing Machines.....	22,287,000.00
Dining Tables.....	11,143,000.00
Dining Chairs.....	8,915,000.00
High Chairs.....	1,485,000.00
Living Rooms Tables.....	11,143,000.00
Rockers.....	22,287,000.00
Living Room Couches.....	6,686,000.00
Kitchen Chairs.....	1,857,000.00
Kitchen Stoves.....	16,344,000.00
Kitchen Cabinets.....	11,143,000.00
Brussels Rugs, 8 X 10.....	5,571,000.00
Fibre Rugs, 9 X 12.....	5,571,000.00
Beds.....	11,143,000.00
Mattresses.....	11,143,000.00
Pillows.....	7,355,000.00
Bed Springs.....	8,915,000.00
Commodes.....	16,715,000.00
Dressers.....	30,088,000.00
Cox Rugs, 9 X 12.....	11,143,000.00
Window Shades.....	4,457,000.00
Draperies.....	8,915,000.00
Cribs and Pads.....	3,714,000.00
Clocks.....	1,857,000.00
Bed Sheets.....	10,029,000.00
Pillow Slips.....	1,114,000.00
Pairs Blankets.....	4,457,000.00
Comfortables.....	3,343,000.00
Counterpanes.....	2,785,000.00
Table Cloths.....	3,342,000.00
Napkins.....	1,783,000.00
Face Towels.....	1,537,000.00
Bath Towels.....	891,000.00
Set Cottage Dishes.....	5,943,000.00
Table Knives.....	1,114,000.00
Table Forks.....	2,228,000.00
Tea Spoons.....	1,485,000.00
Soup Spoons.....	1,485,000.00
Table Spoons.....	1,485,000.00
Carving Sets, 2 pieces.....	742,000.00
Kitchen Cooking Utensils.....	2,228,000.00
Kitchen Cutlery.....	1,114,000.00
Brooms.....	185,000.00
Carpet Sweepers.....	2,228,000.00

Wagons and Bodies.....	\$ 92,866,000.00
Plows.....	10,029,000.00
Harrows.....	10,772,000.00
Mowing Machines.....	48,290,000.00
Rakes.....	26,002,000.00
Harness.....	33,431,000.00
7-in. B. & J. Pumps.....	141,156,000.00
30, H.P. Engines.....	854,370,000.00
Check Valves.....	25,259,000.00
8-in. Casing, Suction and Discharge	42,347,000.00
Flanges, Bolts, Gaskets, Etc.....	11,143,000.00
Priming Pumps.....	3,343,000.00
Belting.....	37,146,000.00

Total..... \$ 4,148,334,000.00

INTERESTING FACTS ABOUT THE GREAT SOUTHWEST.

Southern California, Southwestern Colorado, Arizona, New Mexico, South Half Nevada, South Half Utah.

Population,- Total Southwestern U.S.....1,627,308

Probable Farm Population after total
number is reached at rate seven persons
per farm.....5,140,508

Acreage of Irrigated Lands under
cultivation, 1913.....4,229,704

Acreage of other Lands under
cultivation, 1913.....3,847,161

Acreage of other Irrigable Lands, 1913.....22,314,527

Acreage of other Arable lands, 1913.....21,637,550

Total Acreage of all agricultural
lands, 1913.....52,028,942

Possible Number of Irrigated
40-acre Farms..... 663,604

Possible Number of 320-acre Farms of
other Arable Lands..... 79,327

Total Number of possible Farms
of all agricultural land..... 742,931

Value of all Farm property, 1910.....1,931,942,705

Value of all Lands, 1910..... 795,668,670

Value of Domestic Animals, Poultry
and Bees..... 138,731,146

Value of Live Stock Products and Domestic Animals sold or slaughtered.....	54,244,706
Value of all crops, 1909.....	89,484,285
Value of Farm Products, 1909.....	143,589,887
Value of Mineral Products, 1909.....	136,718,238

In conclusion we submit for consideration copies of various reports of the Harbor Master, of Customs Officials, and Expert Statisticians, together with maps necessary for a thorough understanding of the urgent needs of the City of San Diego.

POPULATION OF SAN DIEGO.

Report of J. B. Lippincott, August 21, 1913.
Hydraulic Engineer, Los Angeles, Calif.

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"It is difficult to make forecasts that are sufficiently high for Cities of the Southwest. In the past Twenty years I have found that estimates which I have made as a rule have been too low, but putting into a diagram the past growth of your City it would appear that you should have 105,000 by the year 1915; 150,000 by the year 1920, and 200,000 by the year 1925."

These estimates were used as a base for the development of water for the City, and as noted above were made in 1913. By recent survey, July 1, 1915, the Metropolitan population of San Diego, was, 109,195.

HARBOR MASTER'S REPORT- 1914 -

Coast Wise Shipping.

		<u>Tonnage</u>	<u>Value</u>
Poles	4,195 pes.	2,646 tons	\$62,850
Whale bone	125 tons	125 "	5,000
Fertilizer	800 "	800 "	25,000
Iron	250 "	250 "	15,000
Live stock	10 head	4 "	250
Coke	2,854 tons	2,854 "	39,956
Lumber	91,625,850 feet	160,345 "	2,051,580
Shingles	1,635,000 pes.	273 "	3,550
Coal	47,358 tons	47,358 "	473,580
Laths	1,775,000 pes.	492 "	3,727
Adse.	173,632 tons	173,632 "	55,562,240
Grain	17,952 tons	17,952 "	574,464
Oil	1,322,000 bbls.	202,553 "	1,652,500
Guano	701 tons	701 "	52,432
R. R. Ties	428,651 pes.	21,434 "	321,490
No. of men in crew	38,503		
Net tonnage	1,003,244		
No. of vessels	657		
		<hr/> 1,003,244	<hr/> \$60,844,194

HARBOR MASTER'S REPORT FOR TWO MONTHS.

JULY and AUGUST, 1915.

The first two months of Municipal Dock operation.

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San Diego, California, August 1st, 1915.

Capt. Lew B. Harris:-

Harbor Master and Chief Wharfinger,
City of San Diego, California.

Sir:-

Hereby is submitted the report of Ass't. Harbor Master
for the month of July 1915 as follows.

Number of merchant vessels entering the port was 58 of
the aggregate net tonnage of 103,406 tons, manned by 3285
seaman and laden with the following amounts of cargo, i.e.:

Grain and Mill Feed.....	180 Tons
Powder.....	200 "
General Merchandise.....	4,868 "
Coal.....	10,700 "
Coal Oil.....	5,000 Bbls.
Engine Oil.....	5,800 "
Gasoline.....	11,725 "
Fuel Oil.....	131,500 "
R.R.Ties.....	32,715
Lumber.....	8,737,000 Feet
Abalone Shells.....	15,250 Lbs.
Abalone Meat.....	30,000 "
Live Lobsters.....	48,800 "
Live Goats.....	1,587
Empty Iron Drums.....	60

In addition to the above 15 U. S. S. Government vessels
entered the port.

An itemized list accompanies this report.

Respectfully submitted,

W. A. Mugler,

Ass't. Wharfinger.

San Diego, California, August 1, 1915.

Capt. Lew B. Harris:-

Harbor Master and Chief Wharfinger,
City of San Diego, California.

Sir:-

Hereby is submitted the report of Ass't. Wharfinger for
the month of July 1915. Showing all freight passing over
Municipal Pier. Giving both commodity and weight of same.

From New York to San Diego.

3 Pkgs.	Animal Food	580	Lbs.
7 Cases	Aluminumware	572	"
5 Cases	Almond Paste	200	"
99 Cases	Auto Supplies	10846	"
10 Cartons	" "	308	"
2 Crates	" "	450	"
3 Cases	" Parts	309	"
12 Cases	Alcohol	154	"
12 Pkgs.	Auto Supplies	1322	"
10 Bags	Asbestos	2015	"
10 Boxes	Ammunition	1242	"
3 Bbls.	Ale	740	"
1 Case	Artists Material	226	"
1 Case	Acid	700	"
2 Crates	Aluminumware	75	"
24 Cases	Books	5198	"
35 Cartons	Brushes	347	"
12 Cases	Brushes	1087	"
44 Cases	Bottle Caps	9731	"
3 Cartons	" "	90	"
1 Bbl.	Brass Valves	339	"
2 Cases	Bible Parts	67	"
3 Pkgs.	Brass Goods	810	"
10 Bbls.	" "	3275	"
2 Crates	" "	195	"
24 Cases	" "	5598	"
4 Cases	Baskets	390	"
4 Cases	Bottles	240	"
3412 Pcs.	Brake Shoes	81940	"
22 Cases	Cotton Goods	6800	"
186 Pkgs.	" "	28803	"
128 Rolls	" "	20392	"
47 Bales	" "	9477	"
1120 Cases	Canned Goods	48127	"
2 Cases	Clocks	175	"
16 Bbls.	Cocconut	3061	"
15 Cartons	"	255	"
18 Cases	"	1668	"
40 Pails	"	1000	"
30 Pkgs.	"	690	"
15 Cases	Cutlery	1494	"
20 Pails	Confectionery	735	"
14 Pkgs.	"	1911	"
28 Bbls.	"	5368	"

From New York to San Diego. (continued)

18 Cases	Confectionery	7133	Lbs.
10 Crates	"	754	"
2 Bbls.	China	180	"
2 Cases	"	275	"
213 Bags	Coffee	28124	"
30 Bales	Cordage	3652	"
4 Cases	"	923	"
10 Pkgs.	"	1726	"
2 Bbls.	"	299	"
10 Bales	Carpet Lining	1050	"
11 Rolls	Carpet	1159	"
1 Bbl.	Castings	370	"
2 Boxes	Clocks	160	"
5 Cases	Conduit	190	"
14 Bbls.	" (Steel)-	560	"
1 Bag	Corks	47	"
2 Crates	Copper Goods	412	"
1 Bbl.	Compound	620	"
25 Cases	Cider	2800	"
35 Bales	Dry Goods	5644	"
15 Cartons	" "	605	"
214 Cases	" "	56308	"
12 Pkgs.	" "	1170	"
7 "	" "	539	"
55 Cases	Date-nut Butter	1396	"
27 Cases	Drugs	1578	"
2 Bbls.	"	798	"
3 Pkgs.	Druggists Sundries	114	"
10 Cases	" "	250	"
57 Cases	Dates	4085	"
5 Bbls.	Electric Goods	1104	"
25 Cases	" "	2891	"
5 Cartons	" "	185	"
204 Cases	Earthenware	10875	"
20 Crates	"	4146	"
4 Casks	"	2640	"
2 Crates	Enameledware	250	"
55 Cases	"	3220	"
50 Pkgs.	"	1749	"
5 Bbls.	Fish	745	"
55 Pkgs.	"	5857	"
159 Cases	"	7305	"
2 Cases	Fireworks	97	"
40 Crates	Furniture	3159	"
60 Pkgs.	"	5113	"
9 Pcs.	"	682	"
52 Cases	"	5593	"
4 Cartons	"	200	"
1 Carte	Fruit Syrup	110	"
7 Kegs	Forgings	2790	"
15 Bags	Flour	4206	"
72 Cases	Floor Tile	11000	"
22 Pkgs.	Groceries	2960	"
40 Bbls.	"	4450	"
12 Cases	"	1392	"
1 Case	Looking Glass	125	"
10 Cases	Glycerine	610	"
31 Cases	Groceries	1864	"
4 Cans	"	837	"
2 Bbls.	"	879	"
12 Cartons	"	262	"

From New York to San Diego. (continued)

13 Crates	Groceries	720	lbs.
15 Pkgs.	"	835	"
2 Crates	Guns	710	"
2 Cases	" Parts	710	"
1 Crate	Glassware	80	"
5 Pkgs.	Household Goods	930	"
79 Crates	Hardware	7896	"
349 Bbls.	"	11780	"
377 Pkgs.	"	58926	"
245 Cases	"	30477	"
24 Bbls.	"	7504	"
2 Kegs	"	190	"
58 Pcs.	"	2653	"
13 Pkgs.	" (Ships	4390	"
3 Cases	Hollowware	480	"
46 Crates	Heaters	2025	"
14 Pkgs.	Ironware	2159	"
3 Cases	"	265	"
6 Bbls.	"	210	"
45 Bbls.	Iron Bars	3600	"
1 Box	Ink	35	"
2 Bbls.	Ironware	465	"
5 Cases	Jewelers Boxes	610	"
11 Bbls.	Liquors	2400	"
17 Cases	"	1340	"
1 Case	Lime Juice	46	"
6 Bbls.	Lime	1584	"
12 Cases	Lanterns	238	"
1 Crate	Leather Goods	233	"
1 Case	" "	129	"
2 Cartons	Letter Boxes	96	"
13 Cases	Medicine	680	"
9 Pkgs.	Machinery	5186	"
1 Crate	"	2055	"
22 Cases	Mechanics Tools	4019	"
2 Cases	Mops	205	"
5 Crates	"	970	"
3 Bales	"	450	"
8 Bales	Mats	1480	"
5 Bbls.	Matting	415	"
4 Casks	Magnesia	2151	"
20 Cases	Notions	2553	"
17 Bags	Nuts	2500	"
58 Boxes	Nails	2236	"
2 Cases	Optical Goods	395	"
25 Cases	Olive Oil	1710	"
22 Cases	Olives	1050	"
2 Bales	Oil Cloth	493	"
220 Cases	Lubricating Oil	19980	"
50 Bbls.	" "	20500	"
156 Cases	Paper	17973	"
45 Cartons	"	1534	"
77 Bbls.	"	3710	"
2 Crates	"	340	"
1 Case	Paper Goods	125	"
53 Cases	Paper Boxes	11708	"
8 Cases	Pianos	6641	"
21 Pkgs.	Plumbers Supplies	695	"
30 Crates	" "	7080	"
9 Cases	" "	700	"

From New York to San Diego. (continued)

30 Crates	Plumbers Supplies	7080	Lbs.
9 Cases	"	700	"
56 Cases	Paint	6007	"
48 Pkgs.	"	6012	"
31 Bbls.	"	14565	"
21 Cases	Polish	1353	"
2 Pkgs.	"	23	"
79 Pkgs.	Pipe Connections	3946	"
139 Pkgs.	Pipe Fittings & Valves	44000	"
1 Reel	Pipe	620	"
72 Bbls.	Paper Oyster Pails	2354	"
453 Bbls.	Plates (steel)	68671	"
28 Bales	Rugs	2920	"
4 Rolls	"	80	"
31 Bbls.	Rugs	2500	"
3 Cases	Rubber Goods	845	"
1 Crate	"	380	"
36 Bags	Rubber Shoddy	2535	"
567 Cases	Rubber (Crude)	96317	"
74	Range Boilers	6000	"
8 Bbls.	Rails	160	"
300 Rolls	Roofing Paper	12617	"
209 Cases	Sauce	6470	"
15 Cartons	"	190	"
1 Case	Sponges	55	"
7 Cases	Suit Cases	1499	"
988 Cases	Soap	66145	"
1 Bbl.	Seed	160	"
66 Cases	Stationery	13789	"
6 Bbls.	"	404	"
45 Cases	Sporting Goods	5560	"
7 Crates	"	979	"
79 Cases	Shoes	5313	"
4 Pkgs.	Shoe Machinery	1085	"
5 Pkgs.	Spice	837	"
7 Bbls.	"	1615	"
1 Crate	"	35	"
35 Bbls.	Sulphur	8400	"
5 Crates	Sewing Machines	690	"
1 Case	Smoking Pipes	318	"
12 Cases	Show Cases	1080	"
105 Cases	Shoe Blacking	2415	"
8 Boxes	Steel	2021	"
510 Bbls & Bars	"	46460	"
6 Crates	Stoneware	1620	"
23 Crates	Stampedware	840	"
96 Pkgs.	"	4578	"
27 Cases	"	2448	"
1	Safe (Iron)	910	"
2 Bbls.	Sizing	706	"
15 Holls	Shells (Stamp Mill)	4244	"
52 Cases	Toys	10107	"
2 Pkgs.	"	400	"
12 Crates	"	1160	"
10 Cases	Tabacco	3715	"
11 Cases	Tinware	2872	"
12 Crates	"	1012	"
2 Pkgs.	"	235	"
1 Case	Toilet Goods	90	"
3 Cases	Typewriters	90	"
1 Case	Tin Foil	134	"
135 Cases	Tea	12315	"

From New York to San Diego. (continued)

26 Cases	Wire Goods	1739	Lbs.
22 Bbls.	" "	875	"
2 Bbls.	" (Copper)	350	"
1 Bag	" "	138	"
38 Pkgs.	" "	32071	"
1 Case	" "	185	"
72 Cases	" Cloth	13035	"
12 Rolls	" "	980	"
33 Rolls	" Fencing	1771	"
4 Reels	" Rope-	632	"
1 Case	" (Iron)	190	"
1 Case	" (Ins)	195	"
33 Bbls.	Witch Hazel	1350	"
5 Cases	Welding Compound	1175	"
4 Bbls.	" "	1500	"
12 Cases	Woodenware	2000	"
6 Crates	"	1147	"
12 Pkgs.	"	437	"
1 Bbl.	Whiskey	400	"
111 Cases	Wine	2275	"
6 Pkgs.	Wagon Parts	240	"
1 Case	Whips	130	"
8 Pkgs.	Water Heaters	408	"
47 Bales	Waste	4726	"
250 Bbls.	Zinc Oxide	81250	"
14546 Packages		1364327	" 682,327/2000 Tons

From Boston to San Diego.

5 Pkgs.	Auto Parts	825	Lbs.
1 Bbl.	Brewers Supplies	155	"
1 Case	Burlap	365	"
60 Cases	Canned Goods	1920	"
2 Cases	Cotton Goods	825	"
2 Cases	Confectionery	600	"
1 Case	Cutlery	112	"
1 Crate	Crockery	645	"
21 Boxes	Ink	410	"
40 Bbls.	Lamp Balck	2800	"
1 Case	Notions	55	"
3 Cases	Shoe Blacking	275	"
10 Bags	Talc	2000	"
		10967	" 5,987/2000 Tons

From Mexico to San Diego.

Guano	20,000	Lbs.
Abalone	30,000	"
Abalone Shells	15,250	"
Cheese	1,225	"
Dried Meat	10,500	"
General mdse.	2,100	"
Household Goods	900	"
Hides	670	"
Leather	14,000	"
Live Lobsters	58,400	"
Piano	800	"
Wax	2,032	"
	145,877	" 72,1877/2000 Tons

From San Diego to New York.

1 Boxed	Auto	2805	Lbs.
2 Cases	Auto Parts	455	"
3 Pkgs.	" "	240	"
14 Sacks	Beeswax	3040	"
1 Case	Books	95	"
1 Bbl.	Coconut	100	"
2 Cases	Confectionery	260	"
2000 Cases	Canned Fish	81100	"
4 Crates	Household Goods	470	"
2 Pkgs.	" "	275	"
2 Cases	Hardware	128	"
250 Cases	Honey	34492	"
1 Crate	Furniture	33	"
2 Empty	Drums	495	"
1 Sack	Inner Tubes	145	"
1 Box	" "	15	"
1 Bale	Mops	187	"
13 Bags	Old Magazines	2173	"
7 Cases	Olives	470	"
2 Cases	Olive Oil	100	"
36 Bbls.	Old Rubber Tires	3678	"
6 Bbls.	" " "	497	"
4 Pkgs.	Personal Effects	698	"
3 Boxes	" "	357	"
1 Trunk	" "	225	"
45 Pkgs.	Paint	3948	"
1 Boxed	Piano	1122	"
1 Crate	Bench		
1 Box	Piano Legs		
1 Box	Pipe Fittings	560	"
57 Pcs.	Steel Rims	5173	"
4 Bales	Tobacco	412	"

143748 " 71,1748/2000 Tons

From San Diego to Boston.

3 Crates	Household Goods	274	Lbs.
301 Cases	Honey	41608	"
2 Cases	Personal Effects	602	"
5 Empty	Reels	515	"
37 Cases	Scrap	12581	"
72 Bales	Wool	23086	"

78666 " 39,666/2000 Tons

From San Diego to Honolulu.

37 Kegs) 7037 Lbs.
7 Cases)

From San Diego to Ensenada, Mexico.

2 Boxes	Apples	76 Lbs.
2 Bbls.	Axes	40 "
3 Bbls.	Alcohol	1240 "
8 Pcs.	Axles	150 "
3 Pkgs.	Bacon	216 "
1 Crated	Blower	57 "
44 Cases	Baking Powder	687 "
2 Cases	Bluing	43 "
1 Bbl.	Bags	31 "
1 Box	Beef	11 "
2 Boxes	Bacon	147 "
3 Bbls.	Beer	745 "
4 Bales	Brooms	230 "
2 Cases	Bread	127 "
1 Box	Butter	30 "
6 Sacks	Beans	588 "
1 Case	Crockery	460 "
3 Bbls.	"	618 "
2 Cartons	Cereals	54 "
2 Boxes	Cocoa	40 "
1 Case	Chocolate	28 "
40 Boxes	Candles	761 "
5 Boxes	Cookies	290 "
1 Carton	Coffee	45 "
45 Sacks	"	6292 "
56 Cases	Coal Oil	4492 "
30 Sacks	Cement	3000 "
1 Sack	Couplings	2 "
1 Sack	Chilis	131 "
9 Cases	Canned Goods	530 "
3 Bales	Cordage	177 "
248 Sacks	Coal	33970 "
2 Bbls.	Canteens	18 "
4 Cases	Confectionery	456 "
8 Boxes	Crackers	152 "
6 Bbls.	Distillate	2609 "
5 Cases	Drugs	262 "
2 Bbls	Wooden Dishes	15 "
1 Case	Dates	12 "
1 Case	Extract	10 "
11 Cases	Eggs	603 "
2 Boxes	Electric Goods	100 "
1 Box	Enamelledware	114 "
10 Boxes	Fruit (Fresh)	803 "
1 Crate	" "	152 "
1 Sack	" (Dried)	51 "
8 Cases	" "	458 "
1 Crated	Forge	80 "
5 Boxes	Fish	272 "
5 Boxes	Grease	279 "
6 Cartons	Glassware	159 "
2 Cases	"	114 "
1 Crated	Go Cart	55 "
26 Cases	Groceries	2048 "
1 Basket	Ginger	117 "
2 Kegs	Horse Shoes	215 "
2 Boxes	" " Nails	53 "
1 Bale	Hose	20 "
6 Pcs.	Hardwood	147 "
1 Box	Hardware	92 "
2 Bbls.	Iron	290 "
5 Bbls.	" (Galv. Corr)	650 "
4 Boxes	Ink	57 "

From San Diego to Ensenada, Mexico. (continued)

24 Sacks	Ice	4788	Lbs.
2274 Feet	Lumber	8208	"
76 Bins	Lard Compound	4855	"
5 Crates	Lard Compound	1155	"
5 Cases	Iye	517	"
5 Bbls.	Lime	485	"
2 Cans	"	101	"
2 Pcs.	Machinery	820	"
1 Box	"	46	"
11 Boxes	Milk	661	"
3 Sacks	Meal	272	"
11 Boxes	Matches	310	"
3 Boxes	Merchandise	198	"
1 Roll	Netting	50	"
3 Kegs	Nails	323	"
5 Bales	Newspapers	1012	"
1 Pc.	Neck Yoke	5	"
1 Bbl.	Lub. Oil	453	"
21 Cases	" "	1750	"
3 Cases	Olives	164	"
1 Box	Machine Oil	60	"
2 Pkgs.	Paper Pails	69	"
1 Carton	Paper	24	"
2 Bales	"	74	"
3 Boxes	"	237	"
10 Rolls	"	300	"
1 Case	Paper Bags	23	"
2 Bbls.	Pails	40	"
17 Cases	Panocha	2395	"
36 Boxes	Paste	1456	"
3 Boxes	Pilot Bread	191	"
12 Coils	Rope	694	"
120 Mats	Rice	6000	"
40 Sacks	Rice	1006	"
1 Box	Rasins	56	"
1 Box Hepack	Midse.	773	"
8 Bbls.	Rims	154	"
1 Case	Sapello	50	"
3 Crates	Sewing Machines	435	"
1 Box	Shoe Blacking-	25	"
2 Boxes	Soda	102	"
4 Bbls.	Shovels	106	"
89 Cases	Soap	6246	"
71 Sacks	Salt	3843	"
5 Bales	Sacks (Empty)	415	"
191 Sacks	Sugar	20107	"
4 Cases	Sheep Dip	327	"
12 Bbls.	Steel	1065	"
3 Cases	Starch	176	"
1 Case	Sugar	44	"
3 Bbls.	Sugar	348	"
6 Kegs	Sausage	553	"
1 Box	Scales	77	"
6 Pcs.	Sheins	105	"
4 Pcs.	Springs (Wagon)	92	"
3 Sacks	Spokes	116	"
1 Keg	Staples	109	"
2 Bbls.	Tubs	97	"
2 Pkgs.	Twine	23	"
14 Cases	Tea	2468	"
1 Box	Tinware	128	"
1 P c.	"	8	"
1 Case	Tobacco	114	"

From San Diego to Ensenada, Mexico. (continued)

1 Crate	Tobacco	24 Lbs.
1 Keg	Vinegar	100 "
1 Bbl.	Wagon Spokes	57 "
57 Bbls.	Wire	3178 "
25 Coils	" (Barbed)	2835 "
2 Bbls.	Wine	994 "
7 Pcs.	Wind Mill	1078 "
1 Case	Water (Mineral)	95 "
7 Pcs.	Wagon (Complete)	486 "
2 Pcs.	" Poles	47 "
2 Bbls.	Wheels	155 "

3907 Packages

151419 " 75,1419/2000 Tons

San Diego, California. September 1, 1915.

Capt. Low B. Harris:-

Harbor Master and Chief Wharfinger,
City of San Diego, California.

Sir:-

Hereby is submitted the report of Ass't. Harbor
Master for the month of August 1915 as follows:

Number of merchant vessels entering the port was
61 of the aggregate net tonnage of 68,027 tons, manned
by seamen and laden with the following amounts of
cargo, i.e.:

General Merchandise.....	5,000	tons
Lumber.....	8,100,000	feet
Abalone Meat.....	10	tons
Grain.....	340	"
Hay.....	50	"
Live Lobsters.....	42	"
Abalone Shells.....	12	"
Oil.....	51,000	bbls.
Switch Ties.....	125,000	feet
E. R. Ties.....	50,300	
Cases Pineapple.....	2,000	
Coal.....	4,000	tons
Sugar.....	1,000	"
Garvanza.....	800	"
Paving Blocks.....	200	

In addition to the above 6 U. S. Government vessels enter-
ed the port.

An itemized list accompanies this report.

Respectfully submitted,

W. A. Mugler,

Ass't. Harbor master.

HARBOR MASTER'S REPORT.

San Diego, Cal., September 1, 1915.

To the Common Council of the
City of San Diego.

Gentlemen:-

I hereby respectfully submit a report of the
tonnage entering this port for the month of August, 1915.

Rig	Name	No. Crew	Net Tons	Cargo	Remarks
St.s	President	149	2393	516 Passengers 405 Tons Mdse.	Aug. 1st
St.Y.	Companero	3	88	In Ballast	" 2nd
Tug	Dauntless	11	144	6,000,000 Ft. Lbr.	" 3rd
St.s.	Roanoke	58	1654	180 Passengers 260 Tons Grain 212 Tons Mdse	" "
Ga.s.	Golden West	4	14	3 Passengers 2 Tons Mdse	" 4th
Br.Ga.s.	Ilwyn	3	14	3 Tons Lobsters	" "
St.s.	Governor	140	2401	443 Passengers	" "
Ga.s.	None Such	4	15	12 Tons Abalone Shells 4 Tons Live Lobsters	" 5th
St.s.	Harvard	135	2317	350 Passengers 150 Tons Mdse.	" 5th
Ga.s.	Virginia	4	14	2 Passengers	" 6th
St.s.	Wapama	25	584	300,000 Ft. Lbr.	" 6th
St.s.	Celilo	21	576	30,000 Ft. Lbr.	" "
St.s.	Congress	175	2317	415 Passengers 400 Tons Mdse	" 8th
Yacht	Verana	15	87	In Ballast	" "
Mex.Ga.s.	Kea	4	14	11,500 Lbs. Lobsters	" 10th
St.s.	Geo.W.Elder	49	1224	129 Passengers (Inbound) 248 Tons Mdse 30 Tons Grain 126 Passengers (Outbound) 64 Tons Mdse.	" "

U.S.S.	Yorktown		482	Gunboat	Aug. 10th
Br. Ga. Y.	Llwyn	2	14	6,100 lbs. Lobsters	" 11th
St.s.	Norwood	15	492	250,000 ft. lbr.	" "
St.s.	Multnomah	28	583	150 Poles 150,000 ft. lbr.	" "
St.s.	President	149	2393	457 Passengers 250 Tons Mdse	" "
St.s.	Bowdoin	16	448	165,000 ft. lbr.	" 12th
St.s.	Argyll	30	1880	20,000 bbls. oil	" "
St.s.	Yale	134	2312	350 Passengers 100 Tons Mdse	" "
U.S.S.	Hero	41	2204	4,000 Tons Coal	" 13th
St.s.	Alvarado	28	940	1,000 Tons Sugar 880 Tons Garvanza	" "
Yacht	Sultana	29	229	In Ballast	" "
Ga.s.	Virginia	4	14	3 Passengers	" 14th
St.s.	Grace Dollar	27	809	16 Passengers 95,000 ft. lbr. 300 tons Mdse.	" 15th
St.s.	Governor	140	2401	458 Passengers 250 Tons Mdse.	" "
Ga.s.	Kea	4	14	11,300 Lbs. Lobsters	" 16th
Sts.s.	Geo.W.Elder	49	1224	126 Passengers (Inbound) 40 Tons Mdse 129 Passengers (Outbound)	" 17th
Br. Ga.s.	Llwyn	2	14	5,700 Lbs. Lobsters	" 18th
St.s.	Congress	175	2317	650 Passengers 440 Tons Mdse.	" "
Ga.s.	Virginia	4	14	2 Passengers	" 20th
St.s.	Finland	257	7711	516 Passengers 223 " For San Diego 5,000 Tons Mdse. 2 tons Mdse.	" "
St.s.	Hornet	19	402	In Ballast	" 21st
N.Y. Aux. Bkn.	Newport	136	560	Training Ship	" 22nd
St.s.	President	149	2393	520 Passengers	" "
St.s.	Argyll	30	1880	25,000 Bbls Oil	" "
St.s.	Wapama	25	584	10 Passengers 240,000 ft. lbr.	" "

U.S.S.	Raleigh		934	3rd Class Cruiser	Aug. 22nd
Aux. Y.	Penslope	4	13	In Ballast	" "
St. S.	Klamath	30	662	57 Passengers 8,700 R.R. Ties 2,000 Cases Pineapple 200 Tons Paving Blocks	" 23rd
Mex. Ga. S.	Koa	4	14	11,000 Lbs. Lobsters	" 24th
U.S.S.	Cleveland		950	3rd. Class Cruiser	" "
U.S.S.	Unalga	69	500	1st. Class Revenue Cutter	" "
St. S.	Alaskan	42	5621	501 Tons Mase. San Diego 6643 tons " All told	" "
St. S.	Rahoe	19	419	21,500 R. R. Ties	" "
St. S.	San Pedro	18	359	11,400 R.R. Ties 50,000 Ft. Lbr.	" "
St. S.	Geo. W. Elder	49	1224	125 Passengers (Inbound) 50 Tons Grain " 35 Tons Mase. " 125 Passengers (Outbound)	" "
Br. Aus. Y.	Llwyn	2	14	5,000 Lbs. Lobsters	" 25th
U.S.S.	Annapolis		560	Gunboat	" "
St. S.	Governor	140	2401	500 Passengers 250 Tons Mase.	" "
St. S.	Geo. Loomis	17	401	6,00 Bbls. Oil	" 26th
St. S.	Harvard	135	2317	300 Passengers 150 Tons Mase.	" "
Ga. S.	Virginia	3	14	5 Passengers 2 Tons Mase.	" 27th
Mex. Ga. S.	Ensenada	4	11	14 Passengers	" "
Yacht	Lucero	3	21	In Ballast	" "
Ga. S.	St Agnes	3	9	2 Passengers	" 28th
St. S.	Congress	175	2317	400 Passengers 250 Tons Mase.	" 29th
St. S.	Santa Monica	18	318	550,000 Ft. Lbr.	" "
Yacht	Sultana	29	229	In Ballast	" "
Br. Ga. S.	Llwyn	2	14	3400 Lbs. Lobsters	" 30th
Ga. S.	Sea Lion	3	7	4500 Lbs. Lobsters	" 31st
St. S.	Speedwell	19	874	8,700 R.R. Ties 125,000 Switch ties	" "
St. S.	Roanoke	58	1654	50 Tons Mase. 50 Tons Hay 140 Passengers 139 " (Outbound) 34 Tons Mase. "	" "

ANNUAL REPORT FURNISHED BY CUSTOM OFFICERS,
LOS ANGELES DISTRICT. LOS ANGELES AND SAN
DIEGO DISTRICTS WERE COMBINED AND ALL CREDIT
FOR SAN DIEGO IS GIVEN TO LOS ANGELES OFFICE.

Imports free of duty -- \$3,106,879
Dutiable imports -- -- 1,943,000
Total -- -- \$5,049,879

IMPORTS and EXPORTS and COLLECTIONS by ports, 1914.

OLD LOS ANGELES DISTRICT.

<u>Imports</u>	<u>Exports</u>	<u>Collections</u>
Los Angeles, \$3,247,000	\$1,183,117	\$699,121.72

OLD SAN DIEGO DISTRICT.

San Diego, \$ 464,554	\$ 88,850	\$ 50,794.17
Calxico 1,239,865	423,000	12,806.85
Tia Juana, 57,728	326,312	3,120.19
Campo, 38,883	20,493	288.92
Andrade 1,849	20,493	5.88
<u>\$1,802,879</u>	<u>\$ 908,143</u>	<u>\$ 67,014.01</u>

PRINCIPAL EXPORTS

Cotton	\$631,994	Leaf Tobacco	\$64,122
Cattle	327,651	Com.window glass	63,969
Sheep	21,917	Toys and dolls	61,327
Coffee	232,667	Hides	55,342
Seeds	166,955	Coal and coke	58,506
Fish and fish products	159,658	Corn 71501 bu.	42,898
Wines and liquors	189,975	Pig iron 2424 tons	37,496
Household and personal effects	154,183	Books & printed matter	41,639
Tea	144,402	wire	37,282
Lumber	145,194	Rice 909900 lbs	36,129
Fertilizers	111,052	Marble mnfgs.	34,409
Nitrate of soda	66,610	Cigars	29,592
Cottonseed oil, 3113172 lb.	147,264	Linoleum	29,926
Earthenware	104,231	Gloves	27,433
Steel Bars	73,705	Leather	25,073
Cheese 390784 lbs.	65,111	Art works	22,557
Nut oil 257622 gal.	98,124	Cocoa	15,440
Olive Oil 50177 gal.	64,566	Spices	26,593

PRINCIPAL EXPORTS.

Agricultural implements and parts of	\$ 13,704
Animals (cattle, horses, mules, etc.)	100,339
Automobiles	12,660
Brass	3,950
Breadstuffs	40,555
Cars, carriages, etc.	6,149
Cement	9,017
Chemicals, drugs, etc.	5,813
Coffee	3,294
Coal	7,910
Cotton, mnfgs. of	12,397
Eggs	1,543
Explosives	32,922
Fibers (vegetable and textile grasses)	3,171
Fish	2,563
Fruits (fresh and dried)	146,379
Hay	8,498
Honey	8,485
Household effects	6,781
Ice	1,675
Iron and steel, mnfgs. of	413,881
Leather and tanned skins	12,207
Meat and dairy products	18,336
Metal, mnfgs. of	5,405
Nuts	10,586
Oils (crude and mineral)	566,421
Rice	3,725
Seeds	1,043
Spirits, wines, malt liquors	26,135
Stone (unafd. crushed rock for R.R.const.)	10,050
Sugar and molasses	12,295
Vegetables	15,442
Wood, mnfgs. of	112,460
Wool, mnfgs. of	3,700

VESSELS ENTERED AND CLEARED IN DISTRICT NO. 27 FOR THE YEAR
1914.

Coastwise
Los Angeles.

<u>Entered</u>		<u>Cleared</u>	
<u>No.</u>	<u>Rig</u>	<u>No.</u>	<u>Rig</u>
<u>Net tonnage</u>		<u>Net tonnage</u>	
551	Steamers	373	Steamers
		1	Bark
		374	
Crew--49,684		Crew--31,048	

San Diego.

183	Steamers	477,937	143	Steamers	410,132
1	Schooner	495	1	Ship	1,930
184		478,432	144		412,062
Crew--22,335			Crew--13,541		

Foreign
Los Angeles.

66	American str.	181,765	38	American str.	93,847
38	British "	136,821	12	British "	39,648
4	Denish "	13,927	1	Norwegian "	1,193
4	German "	11,694	1	German "	1,193
2	Japanese "	5,570	4	Mexican "	3,587
5	Norwegian "	13,698	1	Dutch "	3,198
1	Swedish "	2,674	16	Italian "	86
1	Mexican "	1,193	1	Austrian "	8
1	Dutch "	3,198			
17	Italian "	92	174		142,760
1	Austrian "	8			
1	French bark	1,969			
141		352,609			
Crew-- 4,956			Crew-- 2,021		

San Diego.

180	American str.	114,046	157	American str.	30,901
4	British "	12,393	96	Mexican "	10,922
105	Mexican "	15,912	1	German "	1,169
6	Norwegian "	6,181	5	Norwegian "	3,139
1	German "	1,169	2	British "	6,147
1	Swedish "	2,674	3	Austrian "	19
4	Austrian "	25	1	American "	28
5	Am. Schooners	122	2	British "	26
2	British "	26			
1	British ship	1,930	257		52,351
1	French bark	1,979			
308		156,457			

ANNUAL REPORT OF THE CUSTOMS BUSINESS AT THE PORT
OF LOS ANGELES, CALIFORNIA, FOR THE YEAR
1914.

<u>Total Imports</u>	<u>Total Exports</u>	<u>Collections</u>
\$5,049,879	\$ 2,091,260	\$ 766,135.73
<u>By Countries</u>	<u>Imports</u>	<u>Exports</u>
Austria-Hungary	\$ 21,698	
Belgium	160,081	
Denmark	10,695	\$ 3,110
France	206,024	950
Germany	507,539	10,257
Greece	11,931	
Italy	111,491	4,475
Netherlands	69,244	39,106
Norway	55,967	
Russia-Europe	3,526	
Spain	11,437	
Sweden	10,823	150
Portugal	1,416	
Switzerland	48,413	1,163
Turkey (Europe)	9,926	
England	451,381	56,254
Scotland	97,757	875
Ireland	33,927	
Canada	238,674	380,358
Panama	1,256	34,336
Mexico	1,592,791	923,990
Guatemala	7,316	18,000
Honduras	4,000	
Argentina	43,241	
Brazil	212,169	49,500
Chile	66,610	276,748
Ecuador	13,693	
China	294,375	210,927
British India	1,781	
Hong Kong	82,949	
Japan	468,020	61,886
Philippine Islands	71,565	162
Peru	6,421	89
Australia & Tasmania	8,942	2,280
Cuba	87,830	
East Indies (Dutch)	2,547	
Aden	16,522	
East Indies (other British)	6,633	
French Africa	4,073	
Alaska		668
Hawaii		15,471
All other countries	4,258	501
	\$5,049,879	\$2,091,260

Data compiled by Lincoln McMillan,
statistician, for use before the State Rail-
road Commission. This Commission upon its
findings permitted the San Diego and Arizona
Railroad Company to issue bonds in the sum of
\$10,000,000 with which to complete the road to
El Centro, and further permission to increase
the bond issue to \$25,000,000, should construc-
tion work be carried as far as Yuma.

SOME BRIEF FACTS RELATIVE TO THE SAN DIEGO
AND ARIZONA RAILROAD.

- - -

Total number of miles completed - - - - - 90

Under construction - - - - - 39

Distance from Yuma to tide-water at San Pedro,
via Southern Pacific Sunset Route - - - - - 271 miles

Distance from Yuma to tide-water at San Diego,
via Mexicali, El Centro, and SAN DIEGO AND
ARIZONA - - - - - 210 "

DISTANCE TO TIDE-WATER OF 61 MILES IN FAVOR
OF THE SAN DIEGO ROUTE.

The Rock Island Railroad is completed to Tucson,
Arizona, under construction to Phoenix, and is
surveyed from Phoenix to Yuma - - - - - 180 "

The average grade of the San Diego and Arizona
is 4/10 of 1%. The maximum grade is 1.8% against
the maximum of any other road across the coast
range, 2.8%.

Highest elevation reached by various trans-
continental lines:

Southern Pacific - - - - -	7,018 feet
Western Pacific - - - - -	4,192 "
Santa Fe - - - - -	3,963 "
SAN DIEGO AND ARIZONA - - - - -	3,657 "

The general construction is of the very best.
Seventy-five pound steel is used in the valley,
and ninety pound steel in the mountains.

At present the passenger time by rail to El Centro
is as follows:

San Diego via Santa Fe to Los Angeles - - 4 hours;
Los Angeles via Southern Pacific to
El Centro - - - - - 8 hours;
Making 12 hours of continuous travel.

BY THE SAN DIEGO AND ARIZONA RAILROAD THE TIME WILL BE

FOUR HOURS.

TRAFFIC DIVISION, 1916.

(Assuming the San Diego & Arizona in operation)

FROM	TO	COMMODITY	TOTAL C.L.	S.D. & A. PROPORTION.
So. Calif.	Imp. Valley	Imbr., oil, mdse.	4000	2500
" "	Arizona	" " "	25000	22000
Imp. Val.	Calif.	Hay, grain, live- stock, poultry, dairy products, cotton, fruits vegetables, gypsum, marble, plaster	30000	20000
" "	East	Fruits, vegetables, etc.	6000	-----
Arizona	Calif.	Cattle, hay, grain, cotton	11350	5800
East	San Diego	mdse. (all kinds	8000	5000
San Diego	East	Fruits and mdse.	7000	4500
Total			101300	59800

Gross Revenue 59800 cars at \$65.00

\$3887000.00

PASSENGER TRAFFIC.

Between	And	Number of Passengers	Year	Revenue @ \$3.50
San Diego	Imperial	400 per day	146000	511000
" "	Arizona	250 " "	91250	319275
Points in California	East	375 " "	136875	479062
San Diego	Jacumba & Local Campo	Rev. \$3000 mile-90 mi.		270000
Imp. Valley	& Local	" \$1000 " -75 "		
Total - - - - -			374125	1654437

PROSPECTIVE TONNAGE IN FIVE YEARS.

FROM	TO	COMMODITY	TOTAL C. L.
So. Calif	Imp. Valley	Imbr., Oil, Mase.	6,000
" "	Arizona	" " "	45,000
Imp. Valley	California	Hay, grain live-stock, dairy products, poultry, cotton, fruit, vegetables, gypsum, marble plaster.	41,000
Imp. Valley	East	Cantaloupes, vegetables, fruits, etc.,	10,000
East	San Diego	Mase. (all kinds)	10,000
Arizona	California	Hay, grain, cotton	6,600
"	"	Livestock for packing houses	<u>15,000</u>
Total Carloads-----			143,600

TWELVE MONTHS' ESTIMATES FROM NORTH (1912), FROM
EAST BY RAIL AND FROM NORTH PRINCIPALLY BY RAIL.

COMMODITY	From East LBS.	From North LBS.
Automobiles	3,033,000	980,000
" Tires	1,243,641	414,547
" Accessories	630,354	211,118
Agricultural Imps. (Farm wag. vehicles)	488,000	25,626
" " (Plows, Imps. & Mach)	255,480	
Builders materials (Roofing & Roofing Paper)	4,742,190	623,240
" " (Rex and Beaver Board)	308,000	
Bicycles & Motorcycles	200,000	30,000
Billiard Tables	520,600	
Bed Springs	648,000	
Books & Stationery	778,000	
Boots & Shoes	603,720	
Bottles & Demijohns	352,000	28,360
Brick, Fire Brick & Fire Clay	937,000	1,270,900
Brushes	31,273	5,960
Can Goods (Fruits & Veggies)	1,534,000	1,815,500
" " (Milk)	470,000	1,097,500
Cash Registers and Typewriters	69,308	
Cereals (Breakfast Foods)		288,500
Cement Lime & Plaster	200,000	54,688,560
Chemicals	1,194,220	182,775
China and Glass Ware, Crockery	1,766,000	10,160
Chocolate and Cocoa	121,000	153,335
Coffee	924,625	361,875
Clothing, Hats & Furnishing Goods	925,622	159,825
Confectionery	228,000	77,192
Crackers & Cookies	600,400	68,300
Coal	6,260,000	158,580
Coke	1,193,766	
Fire Wood	1,010,000	
Cooper & Brass (Sheet & Wire)	560,294	189,409
Conduit Material	1,304,808	253,876
Cooperage	2,428,000	
Dairy Products (Cheese)	246,200	106,830
" " (Eggs)	600,000	204,000
" " (Cream)	87,000	2,680,000
Sweet Cream		70,000
Dry Fruits	122,300	272,375
Drugs		
Dry Goods (Cotton Goods)	984,100	122,781
" " (Dress Goods, silk, laces, & ribbons)	303,335	64,225
Electrical Fixtures & Supplies	713,242	617,773
Explosives		200,000
Fertilizer	3,680,000	
Flour & Meal	4,891,000	1,347,500
Furniture	5,269,792	795,350
Fresh Fruit	3,966,000	4,194,000
Grape Juice	173,360	
General Merchandise, N.O.S.	382,000	315,495
Glass (Sidewalk)	92,000	
" (Art)	46,600	1,000
" (Rolled)	407,920	

glass (Sheet)	1,507,530	595,330
" (Plate)	659,180	
" (Insulators)	82,756	83,373
" (Jelly & Fruit Glasses)	161,333	41,500
Groceries & Provisions N.O.S.	5,898,084	6,216,168
Hardware (Shelf, tools, cutlery)	3,520,480	234,747
" (kitchen)	745,080	18,246
" (hose, belting and packing)	123,904	9,004
" (A.G.L. small tools)	91,600	27,471
" (Refrigerators)	95,550	
" (Tiling)	122,400	
" (Rope)	60,200	6,200
" (Waste)	48,000	
" (Scales)	60,000	
" (Glue)	11,712	
" (Tin Cans)	364,000	112,000
" (N.O.S.)	108,063	170,696
Hay & Grain (Hay)	1,316,000	36,327,476
" " (Grain)	12,216,564	43,704,896
" " (Beet Pulp)		460,000
Iron and Steel Products (Pipe, wrought)	7,028,235	
" " " (Pipe, cast iron)	13,235,647	660,276
" " " (Sheet steel)	2,450,564	3,363,498
" " " (Bar and Reinforcing)	8,722,315	200,000
" " " (Angles and channels)	2,240,000	
" " " (Structural)	3,930,000	10,000
" " " (Bolts, nuts, washers)	370,000	4,585
" " " (Iron & Brass valves)	196,000	
" " " (Nails)	2,240,000	34,368
" " " (Horse shoes)	620,000	
" " " (Wire & Fencing)	958,000	762,382
" " " (Metal Lath)	296,000	192,800
" " " (Pig Iron)	984,440	
" " " (Sash Weights)		200,000
Lead & Lead Pipe	88,100	344,632
Leather and Harness	118,706	72,203
Liquors	2,672,010	2,657,021
Lumber (Hardwood)	7,070,134	1,000,000
" (Box shooks)	2,000,000	
Machinery (Gas machinery)	289,834	218,840
" (Engines & pumps)	693,600	24,662
" (Laundry machinery)	262,000	
" (Cement and other)	431,053	150,000
Malt and Hops (Brewers)	584,000	1,478,000
Matches	96,000	
Molasses and syrup	210,000	5,000
Musical instruments	1,615,205	
Nursery stock	86,500	543,611
Oils (edible, salads and cotton seed)	165,000	150,000
Oils (Lubricating)	172,760	36,702
" (Illum. & Fuels)		60,241,306
" (Crude)		160,768,351
Marble and Granite	85,000	1,006,000
Packing house products	257,500	2,196,802
Paints, oils and varnish	2,779,480	2,374,548
Paints (Kalsomine)	183,226	2,000
Paper (News)	7,548,004	
" (Paper and bags)	2,707,304	158,000
Produce (Beans)		1,240,000
" (Potatoes)		15,290,000
" (Onions)		1,170,000
" (Nuts)	26,100	209,640
" (Nut meats)	27,000	14,000

Produce (Peanuts)	178,300	
Plumbing Goods	3,336,624	455,852
Poultry Goods	2,000	832,569
Poultry supplies	10,485	
Rice	110,000	1,083,500
Safes and vaults	465,500	
Salt	310,000	235,000
Sewing Machines	125,500	100,000
Sash and doors		2,964,776
Sewer Pipe	1,650,000	1,830,000
Soap	225,000	294,000
Soda Fountain supplies	12,000	17,000
Spices and extracts	16,500	21,000
Sporting goods	62,886	
Stoves, ranges and heaters	812,488	82,940
Sugar		5,013,600
Tea	45,000	61,200
Trunks and valises	156,000	84,666
Telephones		21,896
Tobacco and cigars	769,328	650,439
Vinegar	60,000	226,840
Undertakers Goods	45,403	140,892
Wall Paper	74,000	131,000
Wooden Ware	198,740	80,000
Woollen Goods (Tailorings)	41,000	57,066
TOTAL - - - - -	166,948,807	434,300,529

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Livestock	2,239,000	2,592,000
Hay and Grain		185,000
Household goods	4,150,000	318,435
Construction Mat'l.	2,579,055	665,014
Railway Equipment	455,841	1,491,202
Railway supplies	364,652	27,000
Machinery	750,230	36,338
Steel Pipe	491,405	
Pig Iron	600,000	
Groceries and Provisions	13,068	222,732
Coke	304,000	
Brewery supplies	710,000	1,540,000
Drugs and Chemicals	485,000	265,000
TOTAL - - - - -	200,084,058	441,643,850

EQUIVALENTS IN C. L.

FROM EAST
6,669

FROM NORTH
14,720



BROADWAY

SAN DIEGO, CALIF.



SANTA FE DEPOT.

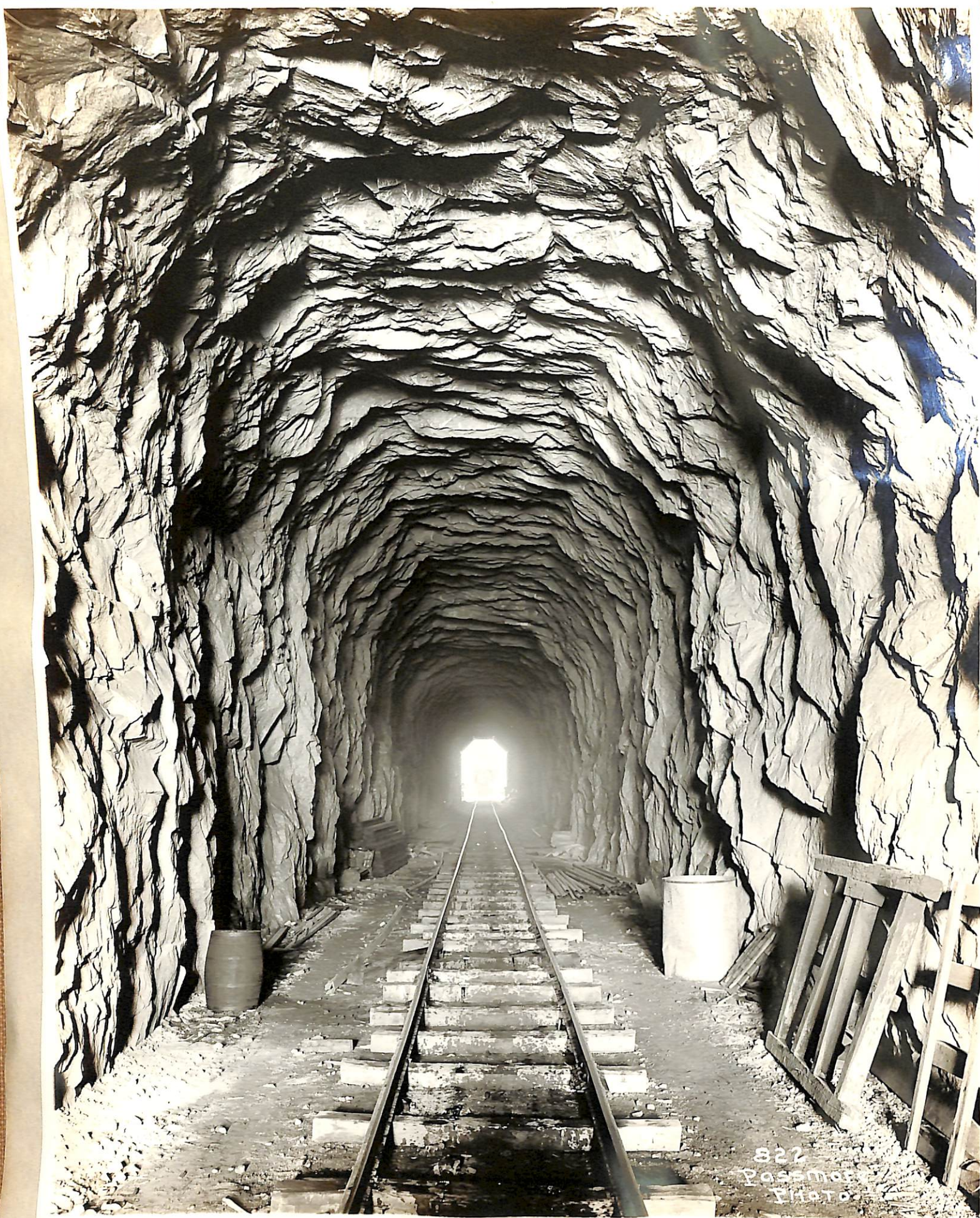
SAN DIEGO, CALIF.



ADMINISTRATION BLDG, MUNICIPAL PIER.
SAN DIEGO, CALIF.



WAREHOUSE, MUNICIPAL PIER, SAN DIEGO, CALIF.
Steamer "FINLAND" (22,000 tons) at Wharf.



TUNNEL No.4, 58 MILES EAST OF SAN DIEGO THROUGH
WHICH TRAIN PASSES FROM MEXICO INTO THE UNITED
STATES.



825
Passmore
Photo

"BALLOON LOOP" - or "HAIR PIN TURN"
Road Traverses $1\frac{1}{2}$ miles, gain
130 feet in distance, and 72 feet
in elevation.



ENTRANCE TO TUNNEL NO. 2 - MEXICO



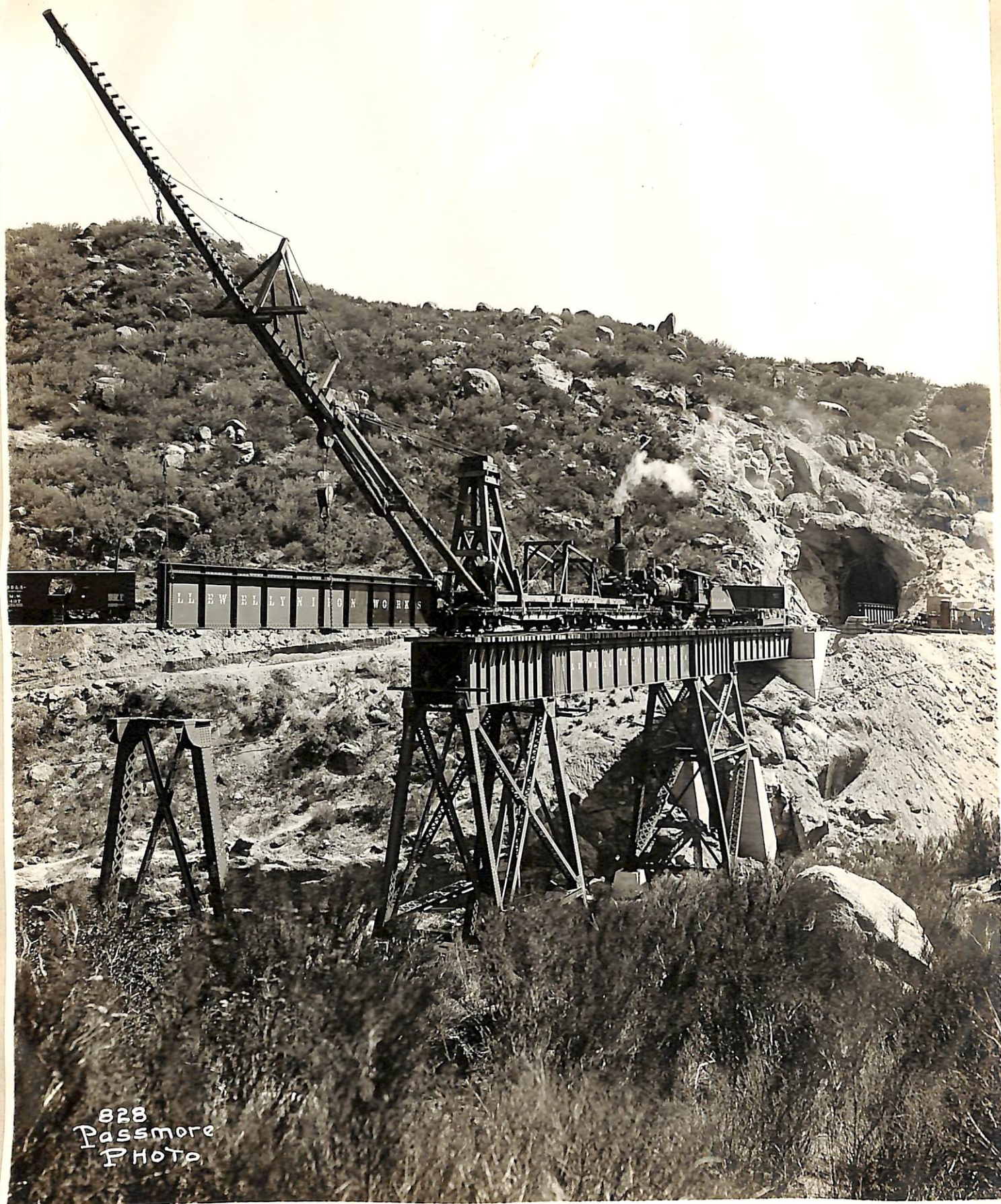
827
Passmore
Photo

ONE OF THE HARDEST ROCK CUTS ON THE LINE,
150 TONS OF POWDER EXPLODED AT ONE TIME.



824
Passmore
Photo

510 FOOT STEEL VIADUCT ACROSS TIA JUANA RIVER,
MEXICO.



828
Passmore
Photo

350 FOOT STEEL VIADUCT, 6 MILES WEST OF CAMPO.



513
Passmore
Photo

ROADBED BEAR LOMA PIEDRA, MEXICO.



MIXED TRAIN - LATEST EQUIPMENT IS FAR SUPERIOR
BEING OF THE HIGHEST AND MOST MODERN TYPE OF
CONSTRUCTION.

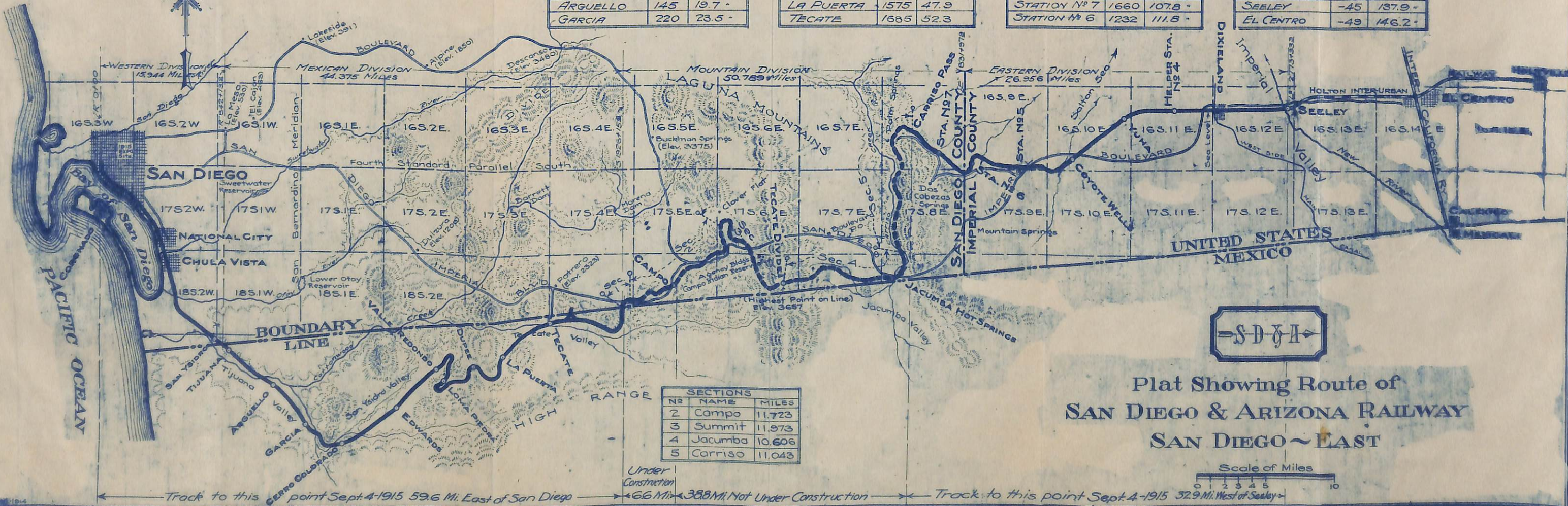


STATION	ELEV.	DISTANCE FROM SAN DIEGO
NATIONAL CITY	00	4.5 Mi.
CHULA VISTA	28	8.6 "
SAN YSIDRO	90	14.5 "
INT'L. BOUNDARY	95	15.1 "
TIJUANA	100	15.7 "
ARGUELLO	145	19.7 "
GARCIA	220	23.5 "

STATION	ELEV.	DISTANCE FROM SAN DIEGO
CERRO COLORADO	350	27.0 Mi.
EDWARDS	570	31.8 "
VALLE REDONDO	766	36.1 "
LOMA PIEDRA	1000	39.6 "
DUPEE	1325	44.4 "
LA PUERTA	1575	47.9 "
TECATE	1685	52.3 "

STATION	ELEV.	DISTANCE FROM SAN DIEGO
INT'L. BOUNDARY	2160	59.4 Mi.
CAMPO	2585	65.6 "
TECATE DIVIDE	3657	82.1 "
JACUMBA HOT SPRGS.	2835	91.8 "
CARRISO PASS	2006	105.0 "
STATION N° 7	1660	107.8 "
STATION N° 6	1232	111.8 "

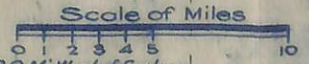
STATION	ELEV.	DISTANCE FROM SAN DIEGO
STATION N° 5	782	115.8 Mi.
COYOTE WELLS	272	120.6 "
YUMA	194	125.6 "
HELPER STA. N° 4	22	129.8 "
DIXIELAND	-30	132.5 "
SEELEY	-45	137.9 "
EL CENTRO	-49	146.2 "



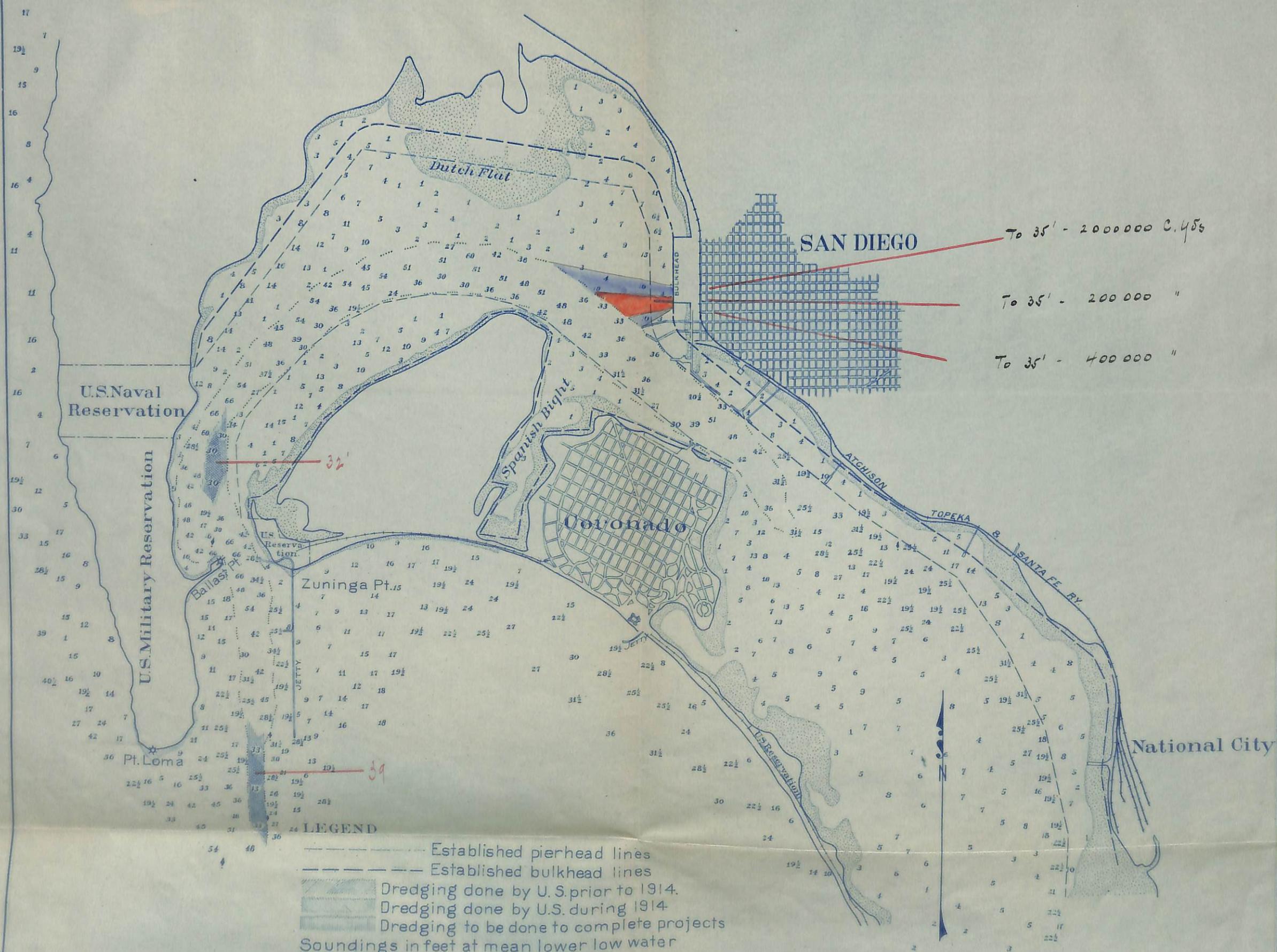
N°	NAME	MILES
2	Campo	11.723
3	Summit	11.973
4	Jacumba	10.606
5	Carriso	11.043



Plat Showing Route of
SAN DIEGO & ARIZONA RAILWAY
SAN DIEGO ~ EAST



Track to this point Sept. 4-1915 59.6 Mi. East of San Diego — 66 Mi. — 388 Mi. Not Under Construction — Track to this point Sept. 4-1915 32.9 Mi. West of Seeley —



SAN DIEGO HARBOR CALIFORNIA

U.S. Engineer Office.
Los Angeles, Cal.

July 1, 1914.
Approved: To accompany annual report.

V. A. D. Raymond
Major Corps of Engineers, U.S.A.

To 35' - 2000000 C. 456

To 35' - 200 000 "

To 35' - 400 000 "