# NATIONAL RECOVERY ADMINISTRATION 

## DIVISION OF REVIEW

EVIDENCE STUDY<br>NO. 52<br>OF

SHIP AND BOAT BLDG. AND REPARING INDUSTRY

Prepared by
THE INDUSTRY STATISTICS UNIT

October, 1935

## PRELIMINARY DRAFT

(NOT FOR RELEASE: FOR USE IN DIVISION ONLY)

The EVIDENCE STUDIES WE Te originally planned as a means of gathering evidence bearing upon various legal issues which arose under the National Industrial Recover set.

These studies have value quite aside from the use for winch they were originally intended. Accordingly, they are now made available for confidential use within the Division oi Review, and for inclusion in Code Histories.

The full list of the Evidence Studies is as follows:

1. Automobile Manufacturing Ind.
2. Boot and Shoe Mf. Ind.
3. Bottled Soft Drink Ind.
4. Builders' Supplies Ind.
5. Chemical Mfg. Ina.
6. Cigar lifo. Industry
7. Construction Industry
8. Cotton Garment Industry
9. Dress Mfg. Ind.
10. Electrical Contracting In ar.
11. Electrical Mfg. Ind.
12. Fab, Metal Prod. MfG., etc.
13. Fishery Industry
14. Furniture Mfg. Ind.
15. General Contractors Ind.
16. Graphic Arts Ind.
17. Gray Iron Foundry Ind.
18. Hosiery Ind.
19. Infant's 2 Children's \#ear Ind.
20. Iron ane Steel Ind.
21. Leather
22. Lumber \& Timber prod. Ind.
23. Mason Contractors Industry
24. Men's Clothing Industry
25. Motion Picture Industry
26. Motor Bus Mfg. Industry (Dropped)
27. Needlework Ind. of Puerto Rico
28. Fainting \&c Paperhanging \& Decorating
29. Photo Engraving Industry
30. Plumbing Contracting Industry
31. Retail Food (See No. 42)
32. Retail Lumber Industry
33. Retail Solid Fuel (Dropped.)
34. Retail Trade Industry
35. Rubber Mfg. Ind.
36. Rubber Tire Nf g. Ind.
37. Silk Textile Ind.
38. Structural Clay Products Ind.
39. Throwing Industry
40. Trucking Industry
41. Waste Materials Ind.
42. Wholesale \& Retail Food Ind. (Sue No. S1)
43. Wholesale Fresh Fruit \& Veg.

In addition to the studies brought to completion, certain materials have been assembled for other industries. These MRERIALS are included in the series and are also ride available for confidential use within the Division of Review and for inclusion in Code Histories, as follows:
44. Tool Textile Industry
45. Automotive Parts \& Equip. Ind.
46. Baking Industry
47. Cannine Industry
48. Coat and Slit Ind.
49. Household Goods \& Storage, etc. (Dropped)
50. Motor Vehicle Retailing Trade Ind.
51. Retail Tire \& Battery Trade Ind.
52. Ship \& Boat Bldg. \& Repairing Ind.
53. Wholosaling or Distributing Trade

む. C. Varsinali
Director, Division of Review
*9381.1A>6
General Notes ..... $1-2$
Notes for Data on Form P－P－28 ．．．．．．．．．．．． ..... 3
Tables ..... $4-29$

## IABIES

| TABIE | I-A - Index of Enplorment $(1923-25=100), 1926-1935 .$ <br> (1929=100), 1926-1935. <br> C - Estimated IVumber Emiloyed, |
| :---: | :---: |
| TABIE |  |
| TABLE | III-A - Average Hours Worked Per Week, 1932-1935.................. 6 <br> B - Estimated Total illon-Hours Per Weeln, 1932-1935........... 6 |
| TABIE | IV-A - Average Hourly Wage, 1932-1935................................ ${ }^{\text {r }}$ <br> B - Average Weekly Wage, 1926-1935................................ 7 |
| TABIE | V-A - Merchant Vessels Under Construction, 1926-1935......... 3 <br> $B \rightarrow$ Index of Merchant Vessels Under Construction, 1926. $\qquad$ <br> C- Merchant Vessels Completed During i.onth, 1926-1935..... 3 |
| TABLE | VI - Establishments, Wage Earners, Wages, Cost of Materials, Value of Products, Value Added, and Horsepover, by Census Years, 1899 to 1933................................. 9 |
| TABIE | VII-A - Establishments, Wage Earners, Wages, Cost of Materials, Value of Products, and Value Added by Manufacture, br States, 1929.......................................................... 10 <br> B - Establishments, We.ge Earners, Wages, Cost of liaterials, Value of Products, and Value Aảded by Manufacture, by States, 1931........................................................ 11 <br> C - Establishments, Wage Earners, Wages, Cost of i.aterials, Value of Froducts, and Value Added by Manufacture, by States, 1933............................................................... 12 |
| TABIE | VIII - Ship Building and Ship Repairing Industry - ITumber of Plants, by States, 1933 and 1934............................ 13 |
| TABLE | IX - Number of Employees in Identical Yards Building Toocien and Steel Boats wo to 196 Feet in Length, by Regions, 1929 and 1935..................................................... 1 . |



## General Notes

## Comparison of Definitions of the Industry

Pubiished Government data combine the Boat Buildine and Ship Building Industries. Since most of the available data are from Government bureaus, it has been necessary to consider the two codes, "Boat Building and Boat Repairing" and "Ship Buildins and Ship Repairing" together in this report. Only in the cases of trade association membership, total number of establishments, and the number of employees in yards building vessels up to 126 feet has it been possible to obtain data for the Codes separately.

The one Census classification "Ship and Boat Building" covers the two Industries as defined in the Codes "Boat Building and Boat Repairing," and "Ship Building and Ship Repairing." A wide discrepancy exists, however, between the number of establishments reported by the Census and the total reported by the respective Code Authorities for the two coded Industries.

The Code Authorities for the "Boat Building and Boat Repairing" and the "Shin Building and Shiv Repairing" Codes reported a total of 2,935 plants under the Codes for 1933, while the Census of Manufactures reported 395 plants under its classification "Ship and Boat Building" for 1933. This discrepancy can presumably be accounted for by taking into consideration the following factors. In the first place, establishments which built boats only as a. minor portion of their product had to report to the Code Authority while the Census concerned itself only with those establishments which were primarily engaged in boat building. In the second place, plants which were still considered as a part of the Industry but were inactive curing the year were not canvassed by the Census. The fact that the Census does not canvass establishments with an annual product of less than $\$ 5,000$ eliminated a large number of small concerns builaing and repairing boats as well as a number of shore shops, which reported to the Code Authorities. A fev establishments which were under one or the other of the Codes were listed by the Census under classifications other than "Ship and Boat Building."

## Sources

The chief sources of the statistical material included in this report are the Bureau of the Census and the Bureau of Labor Statistics. Other data included are from the Bureau of Navigation, the Code Authorities for the Boat Building and Boat Repairing and the Ship Building and Shio Revairing Industries, the National Council of American Ship Builders, and National Recovery Administration Questionnaires.

Bureau of the Census Data.- Data from the Census of Manufactures, classification of "Shin and Boat Building," cover privately owned establishments engaged primarily in the construction or the repair of rater craft of any kind, and establishments producing masts, spars, and other accessories for vessels. Subsequent to 1919 no data have been collected for ship yards operated by the Federal Government, and therefore none are included for any yoar.

For the Census of 1919 and prior years, data were collected from all establishments with an annual production of $\$ 500$ and sver. For subsequent Census years no data were collected from establishments with annual products vaiued at less than $\$ 5,000$. The exclusion of data for these small establishments reduces considerably the number which must be canvassed, but does not materially impair the accuracy of the statistics except for the single item "number of establishments," as in 1919, establishments with an annual production of less than $\$ 5,000$ accounted for only. 4 per cent of the wage earners and only .4 ner cent of the total value of products.

To the extent that "value of products" represents new construction, it is limited to the value of work done during the year and therefore does not include the total value of completed vessels except those on which construction was begun and finished within the year. Receipts for repair work are included. The total "value of products" for the Industry includes the value of certain products other than water craft. These products represented approximately 4 per cent of the total value in 1929, 1931 and 1933.

Bureau of Labor Statistics Data.- Labor data from this source are bascd on a sample of the establishments canvassed by the Bureau of the Census. Descriptions of these data are presented in the more detailed notes accompanying the tables from this source.

National Recovery Administration Questionnaire.- The National Recovery Administration sent Questionnaires to 1750 ship and boat builders and received replies from 779 plants. Of these 128 were either out of business or in some other business, such as Naval Architects, and 232 renlies contained insufficient data to be of value. Thus 419 questionnaires were tabulated. Data on all the items requested were not reported by all of these 419 plants. Consequently the number of plants listed in tables from this source vary from table to table and between years within a table.

Data from Other Sources.- Descriptions of data from the Bureau of Navigation, the Code Authorities, the National Council of American Ship Builders, as well as the sources discussed above are given in the notes accompanying the tables.

Industry Statistics Unit,
Statistics Section,
Division of Review, NFA
October 28, 1935

## 1. GENLRAL CORAENI ON CURZEIT IABOR DATA

Current labor datafron the Burcau of Labor Statistics for employment, payrolls and average weekly vages are based on a samble covering about 85 per cent of the wage earners reported under the Census classification "Ship and Boat Building." The sample for average hours and average hourly mage covered about 40 per cent of the wage earners in 1933 and about 70 per cent in 1934. Since more than 95 oer cent of the wage earners included in the sample are in the ship building industry the samole is representative of the ship building industry only.

## 2. MPIOMENT AND PAYROLIS

Bureau of Labor Statistics inderes have been adjusted to 1933 Census totals by NRA.

## 3. MERCHANT VESSELS UNDER CONSTRUCIION ATD IERCHANT VESSEIS COMPLETED DURING NONRE

The total numbe: of vessels completed incluates ocean going, lalke, and river vessels built and oficially numbered, incluaing vessels of the Uniter Strutes Shipping Board and private American ownerre, but not vessels built for foreien owners.

Herchant vessels under construction include all kinds of ships under construction at the end of the month, except rederal governmert vessels.

Prepered by
Industry Statistics Unit Statistics Section Division of Review, NRA October 28, 1935

## SHIP AND BOAT BUILDING AND REPAIRING INDUSTKIFS

Pactory Employment

| I-A | Index of Erployment (1923-25=100) \&/ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JAN | 94.3 | 111.1 | 85:8 | 90.4 | 116.0 | 93.3 | 75.3 | 54.2 | 64.4 | 64.3 |
| FEB | 978 | 115.4 | 8.2 | 0. | 115.4 | 89.6 | 75.2 | 51.1 | 66.0 | 72.8 |
| MAR | 90.4 | 115.8 | 78. | 97.2 | 113.6 | 86.4 | 74.1 | 48.2 | 69.3 | 74.9 |
| AP | 58 | 113.1 | 79.9 | 13. | 115. | 886 | 76.1 | 44.4 | 71.7 | 74.6 |
| MAY | 5.5 | 108.5 | 79.4 | 10.4 | 1110 | 860 | 72.6 | 47.5 | 73.1 | 76.4 |
| JUN | 94.9 | 104.7 | 78.6 | 103.3 | 109.8 | 85.3 | 70.2 | 48.0 | 76.6 | 66.2 |
| JU1 | 94.6 | 98.0 | 77.1 | 03.3 | 05 | 81.8 | 636 | 52.3 | 69.2 | 71.3 |
| AUG | 935 | 93.5 | 75.2 | 1010 | +05.5 | 75.6 | 59.7 | 57.5 | 71.2 | 7 7.4 |
| GEP | 5.0 | 90.2 | 75.4 | 11.7 | 04.6 | 76.7 | 57.5 | 64.2 | 71.3 | 76.1 |
| OCT | 96. | 88.7 | 76.7 | 101.9 | 014 | 75.5 | 56.5 | 66.1 | 71.2 |  |
| NOV | 202. 4 | 87.5 | 79.4 | 16.6 | 94,8 | 78.3 | 55.7 | 63.5 | 69.3 |  |
| DEC | 110.1 | 88.7 | 86.6 | 111.1 | 950 | 78.4 | 55.7 | 67.3 | 68.5 |  |
| Ayerage | [37.4 | 101.3 | 79.5 | 1 Cl 3 | $10 \quad 3$ | 83.0 | 66.0 | 55.4 | 70.2 |  |

I. B

In ex of Emiloymen $(1929=100) \mathrm{b} /$

| JAN | 93.2 | 109.8 | 84.8 | 89. | 1146 | 92.2 | 74.6 | 54.5 | 65.4 | 69.4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FED | 96.5 | 114.2 | 80.2 | 89.5 | 114.0 | 884 | 74.6 | 51.5 | 67.0 | 73.9 |
| MAR | 97.2 | 114.4 | 77.7 | 96.0 | 112.2 | 85.3 | 73.7 | 48.7 | 70.4 | 6 |
| PR | 94.6 | 111.7 | 9.0 | 102. | 11.7 | 8.5 | 75.7 | 44.8 | 730 | 75.8 |
| MAY | 94.4 | $10^{1} .2$ | 78.5 | 103 | $10 \cdot 7$ | 84.9 | 72.3 | 48.0 | 74.3 |  |
| JUN | 93.8 | 10.4 | 77.7 | 102.0 | 108.5 | 84.2 | 69.9 | 48.6 | 77.8 | 6.2 |
| JUL | 93.4 | 6.8 | 76.2 | 1 C 2.0 | 10..7 | 80.7 | 63.5 | 53.0 | 70.3 | 72.4 |
| AUG | 92.3 | 2.4 | 74.3 | 99. | 104.2 | 74.7 | 59.7 | 58.3 | 723 | 73.5 |
| SEP | 93.8 | 89.1 | 74.5 | 100. 4 | 13.6 | 75.8 | 57.6 | 651 | 72.4 | 77. |
| OCT | 94.8 | 8.7 | 75.8 | 1007 | 100. 2 | ${ }^{6} 4.7$ | 56.7 | 67.1 | 72.3 |  |
| NOV | 101.1 | 865 | 78.5 | 105.3 | 93.7 | 77.6 | 55.9 | 64.6 | 70.4 |  |
| DEC. | 108.7 | 87.7 | 85.6 | 109.8 | 93.9 | 77.7 | 56. | 68.4 | 69.6 |  |
| Average | 96.2 | 100.1 | 78.6 | 100.0 | 1060 | 82.0 | 659 | 56.1 | 71.3 |  |

I-C
Es'imated Num:ar Employed (thousands) d/


DIVISION OF RE: IEW NRA
Industry Statistice Unit, JEC•rb, 10-1-35, revised EG: rb, 10-24-35
8926

SEIP AND BOAT EUILDING AND RFPAIRING INDUSTRIES
Factory Payrolls

| I - A |  | Index of Payrolls : $923-25 \mathrm{~m} 100$ a/ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1926 | 1927 | 1928 | 1929 | 1932 | 1931 | 1932 | 1933 | 1934 | 1935 |
|  | (2) 5 | 5.4 | 117 | 95. | 95.3 | 121.7 | 969 | -5.4 | $3 \% .7$ | 48. | 56.2 |
|  | FEB | 96 | 11.6 | 84.9 | 97.8 | 24.8 | 88.1 | 3. 9 | 35.7 | $\div 9.0$ | 59.7 |
|  | M | 99.2 | 123.1 | 83.6 | 104.6 | 124.4 | 83.4 | 60.6 | 32.5 | 52.4 | 63.8 |
|  | A.R | 00.8 | 25.2 | 885 | 111.6 | 124.8 | 85.4 | 66.4 | 30.1 | 53.9 | 62.0 |
|  | Mer | 98.4 | 1:6.5 | 83.5 | 113.8 | 123.6 | 86. | 57.3 | 32.5 | 60.0 | 65.7 |
|  | JuN | 98.9 | 109. 2 | 85. | 115.0 | 116.5 | 78.8 | 54.3 | 32.5 | 60.2 | 55.5 |
|  | J L | $9 \% .4$ | 057 | 82. | 111.5 | 0.1 | 72.4 | 52.3 | 36.2 | 556 | 9.4 |
|  | Aug | 98.6 | 96.8 | 78.2 | 05.9 | 111.0 | 69.2 | 43.1 | 40. | 56,4 | 61.5 |
|  | 9\% | 96.7 | 92.9 | 80.6 | 11.1 | 107. | 644 | 424 | 45. | 57.0 | 65.6 |
|  | OUT | 105.4 | 97.1 | 81.3 | 1113 | 100.7 | 68.4 | 3.0 | 47.5 | 56.2 |  |
|  | N.JV | 105.5 | 93.6 | 81.8 | 115.5 | 98.7 | 65.8 | 39.4 | 46.8 | 54.0 |  |
|  | CEC | 118.6 | 103.6 | 95.2 | 122.3 | 98.6 | 68.4 | 42.3 | 49.4 | 55.3 |  |
| Ara | caza | 100.2 | 208.3 | 85.0 | 109.7 | 113.5 | 76.0 | 5.5 | 38. | 54 |  |

II-B
Index of Payrolls $(, 929=100)$ b/

| UAN | 8. 0 | 106.7 | 86.9 | 86.9 | 110.9 | 8.8 | 604 | 36.7 | 48.0 | 6.0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FEB | 87.8 | 108.2 | 77.5 | 89.2 | 113. | 80.0 | 59.3 | 34.8 | 48.9 | . 5 |
| MAR | 90.5 | 112.3 | 76.3 | 95.4 | 1134 | 75.7 | 56.4 | 31.8 | 52.3 | 36 |
| APR | 92.0 | 114.2 | 80.8 | 101.7 | 113.8 | 7.5 | $\therefore 1.7$ | 295 | . 53.7 | 1.8 |
| MAY | 89.8 | 106.3 | 76.2 | 103.7 | 112.8 | 78.5 | 53.7 | 32.0 | 59.8 | 5.5 |
| JUN | 90.2 | 99.6 | 78.2 | 104.8 | 106.2 | 1. ${ }^{\circ}$ | 51.2 | 32.: | 60.1 | 5.3 |
| JUL | 88.9 | 964 | 74.8 | 0: 6 | 1004 | 5. | 45.5 | 35.9 | 55.5 | 592 |
| ANG | 90.0 | 83.3 | 71.4 | 96.5 | 101.2 | 63.1 | 41.0 | 3.7 | 56.2 | 21.3 |
| SEP | 88.2 | 84.8 | 73.6 | 10.3 | 97.5 | 588 | 40.5 | 45.6 | 56.9 | 65 |
| OCT | 96.2 | 88.6 | 74.2 | 101.5 | 91.8 | 626 | 41.3 | 47.3 | 56.0 |  |
| NOV | 96.3 | 85.4 | 7.7 | 105.3 | 90.0 | 60.4 | 37.9 | 43.7 | 53.9 |  |
| DEC | 108,2 | 94.5 | 86.9 | 111.5 | 89.9 | 63.: | 41.0 | 49.2 | 55.1 |  |
| Avorage | 92el | 98.8 | 77.6 | 100.0 | 103.5 | 70 C | 49.5 | 38.4 | 54.7 |  |

II-C
Esi imated Weekly Payroll (thousands of dollars) c/

| JAN | 1,477 | 1,811 | 1,475 | 1,475 | 1,88 | 1,406 | 1,025 | 623 | 815 | 951 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FEB | 1.4.490 | 1, 8.37 | 1, 316 | 1,514 | 1.936 | 1,358 | 1,007 | 591 | 830 | 1,010 |
| MAR | 1.536 | 1.906 | 1.295 | 1.619 | 1.925 | 1,285 | 957 | 540 | 888 | 1,080 |
| APR | 1,562 | 1,939 | 1.372 | 1.726 | 1,932 | 1,316 | 1,047 | 5 Cl | 12 | 1,049 |
| MAY | 1,524 | 1,805 | 1,294 | 1,760 | 1,915 | 1,333 | 912 | 543 | 1,015 | -112 |
| JUN | 1,531 | 1,692 | 1.898 | 1.778 | 2, 803 | 1,217 | 869 | 545 | 1, 20 | 939 |
| JUL | 1,509 | 1,6.36 |  | 1,725 | 1, 04 | 1,119 | 840 | -9 | 942 | 1,005 |
| AUG | 1,528 | 1,1,499 | ,212 | 1, 838 | 1,718 | 1,071 | 696 | 64. | $9: 4$ | 1,041 |
| SEP | 1.497 | 1,440 | 1,249 | 1.737 | 1,655 | 998 | 688 | 774 | 96 | 1,1\%0 |
| OCT | 1,633 | 1,504 | 1,200 | 1,72 | 1,5:8 | 1,063 | 701 | 8.3 | 9 Cl |  |
| NOV | 1,63i | 1,450 | $1 . \%$ | 1, "88 | 1,5\% | 1,025 | 643 | 793 | 915 |  |
| DE | $1.83 ;$ | 1,604 | 2, 475 | 1,893 | 1,526 | 009 | 69. | 83.5 | 93: |  |
| Teragell | $1.56{ }^{\circ}$ | 1,6\% | 1,318 | 1,698 | 1,757 | 1,188 | 840 | $65 \%$ | 929 |  |
| (a) Hur or Labor Statistics Inder for M S pbuilding. |  |  |  |  |  |  |  |  |  |  |
| b/ II-: shifted to 1.2 bas; and adjasted 1933 Census total by NRA. c/ II-B times 1929 base figure ( $\frac{\left(88, \frac{274}{52} 153\right.}{52}$ oI $, 697,580$ ). |  |  |  |  |  |  |  |  |  |  |

DIVISION OF REVIEW, NRA
Industry Statistics Unit, JEC:rb, ${ }^{\circ}$ on-ma revised, EG:rb, 10-24-35
8926

Man-Hours - Factory


III-B
Eatimated Total Man-Hours Per Weok (thousands) b/

| JAN |  |  |  |  |  |  | 1.533 | 894 | 1.084 | 1.215 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FEB, |  |  |  |  |  |  | 1,471 | 838 | 1,122 | 1,249 |
| MARI |  |  |  |  |  |  | 1.409 | 817 | 1,203 | 1,345 |
| A R ${ }^{\text {a }}$ |  |  |  |  |  |  | 1,580 | 773 | 1,254 | 1,346 |
| - AY |  |  |  |  |  |  | 1,365 | 811 | 1.317 | 1.417 |
| J:N |  |  |  |  |  |  | 1,282 | 844 | 1,343 | 1.199 |
| J'JL |  |  |  |  |  |  | 1,344 | 964 | 1,223 | 1,301 |
| ALG |  |  |  |  |  |  | 1,053 | 1.027 | 1,246 | 1,328 |
| SEP |  |  |  |  |  |  | 1,005 | 1,099 | 1,217 |  |
| OCT |  |  |  |  |  |  | 998 | 1.121 | 1.198 |  |
| NOV |  |  |  |  |  |  | 915 | 1.050 | 1,179 |  |
| DFC |  |  |  |  |  |  | 1,032 | 1,17: | 1, 168 |  |
| Arerage |  |  |  |  |  |  | 1,249 | 956 | 1.213 |  |


| JAN |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FEB |  |  |  |  |  |  |  |  |  |  |
| MAR |  |  |  |  |  |  |  |  |  |  |
| APR; |  |  |  |  |  |  |  |  |  |  |
| MAY |  |  |  |  |  |  |  |  |  |  |
| JUN |  |  |  |  |  |  |  |  |  |  |
| JUL |  |  |  |  |  |  |  |  |  |  |
| AUG |  |  |  |  |  |  |  |  |  |  |
| SEP |  |  |  |  |  |  |  |  |  |  |
| OCT |  |  |  |  |  |  |  |  |  |  |
| Nov |  |  |  |  |  |  |  |  |  |  |
| DEC |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

a/ Bureau of Labor Statistics series for "Shipb 11 ing"
b/ Estimated Numbor Employed. (I-C) multiplied by Av.rage Hours forked Per Week (III-A).

Wages - Factory

## IV-A <br> Average Houriy Wage (cents) a/

|  | $1226^{\circ}$ | 1922 | 1928 | 1929 | 1930 | 1231 | 1932 | 1933 | 1934 | 1985 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JAN |  |  |  |  |  |  | 67.2 | 59.4 | 69.6 | 75.0 |
| FEB |  |  |  |  |  |  | 67.9 | 61.2 | 69.9 | 76.2 |
| MAR |  |  |  |  |  |  | 64.7 | 57.9 | 70.2 | 75.2 |
| APR |  |  |  |  |  |  | 65.4 | 56.7 | 69.5 | 73.9 |
| MAY |  |  |  |  |  |  | 650 | ऽ5.6 | 73.6 | 75.0 |
| JUN |  |  |  |  |  |  | 62.1 | 55.0 | 72.2 | 74.2 |
| JUL |  |  |  |  |  |  | 58.5 | 55.7 | 74.2 | 73.3 |
| AUG |  |  |  |  |  |  | 60.6 | 61.7 | 73.9 | \% 3.9 |
| SEP |  |  |  |  |  |  | 62.1 | 64.2 | 74.8 |  |
| OCT |  |  |  |  |  |  | 6\%.6 | 67.1 | 72.1 |  |
| NOV |  |  |  |  |  |  | 63.2 | 67.5 | 74.1 |  |
| DEC |  |  |  |  |  |  | 60.6 | 65.1 | 75.6 |  |
| Areraged |  |  |  |  |  |  | 63.3 | 60.6 | 72.5 |  |

$$
I V-B
$$

Average Weekly Wage (dollars) a/


| JANi |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FEE |  |  |  |  |  |  |  |  |  |  |
| MAR |  |  |  |  |  |  |  |  |  |  |
| APR |  |  |  |  |  |  |  |  |  |  |
| MAY |  |  |  |  |  |  |  |  |  |  |
| JUN |  |  |  |  |  |  |  |  |  |  |
| JUL |  |  |  |  |  |  |  |  |  |  |
| AUG |  |  |  |  |  |  |  |  |  |  |
| SEP |  |  |  |  |  |  |  |  |  |  |
| OCT |  |  |  |  |  |  |  |  |  |  |
| NOV |  |  |  |  |  |  |  |  |  |  |
| DEC |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

[^0]```
DIVISION OF REVIEW, NRA
```

Industry Statisties Un1t, JEC:rb, $9-\operatorname{man}^{-n}$
8925


## SHIP AND BOAT BUILDING AND REPAMRING INDUSTRIES

Herchant Wessels Under Coustruetion and Completed
T-A Merchant Vessels Under Conatruction (thousands of groes tons) a/

| 1926 |  | 1927 | 1988 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JAN | 268 | 313 | 214 | 126 | 376 | 421 | 252 | 22 | 44 | 38 |
| FEB | 251 | 310 | 207 | 168 | 341 | 412 | 229 | 24 | 43 | 36 |
| MAR | 228 | 288 | 232 | 187 | 327 | 409 | 174 | 14 | 42 | 30 |
| APR | $2 \mathrm{P9}$ | 235 | 252 | 290 | 366 | 397 | 173 | 12 | 48 | 20 |
| MAY | 22.3 | 235 | 259 | 268 | 488 | 370 | 186 | 18 | 46 | 20 |
| JUN | 199 | 219 | 264 | 170 | 487 | 359 | 180 | 35 | 38 | 20 |
| J) | 254 | 219 | 256 | 160 | 465 | 326 | 161 | 38 | 35 | 31 |
| AUG | 275 | 16 | 235 | 215 | 489 | 299 | 147 | 36 | 33 | $7 ?$ |
| SEP | 221 | 26 | 242 | 254 | 9. 23 | 294 | 94 | 26 | 32 |  |
| OCT | 273 | 241 | 250 | 400 | 366 | 288 | $8 \%$ | 24 | 33 |  |
| NOV | 317 | 194 | 169 | 384 | 359 | 279 | 18 | 25 | 49 |  |
| DEC | 314 | 204 | 94 | 72 | 344 | 249 | 18 | 25 | 50 |  |
| Arerage | 259 | 21.1 | 224 | 50 | 403 | 342 | 143 | 25 | 41 |  |

V-B Index of Merchant $V_{e}$ sels Under Construction (1929=100) b/

| UAN | 107.2 | 125.2 | 85,6 | 50.4 | 150. | 168.4 | 100.8 | 8.8 | 17.6 | 15.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FEB | 100,4 | 124.0 | 82.8 | 6".2 | 36 | 164.8 | 91.6 | 9.6 | 7. | 1. 4 |
| MAR | 91. 2 | 115.2 | 92.8 | 74.8 | 130 | $16 \% .6$ | 69.3 | 56 | 16.8 | 1.0 |
| APR | 916 | 94.0 | 00.8 | 116.0 | 46. | 158.8 | 69.: | 48 | 19.2 | 0 |
| MAY | 89,2 | 94.0 | 103.6 | 07.2 | 95. | 145.0 | 74.4 | 72 | 18.4 | 8 |
| JUN | 79.6 | 876 | 15.6 | 68.0 | 1.94.: | 143.f | 72.0 | 14.0 | 5.2 | 8.7 |
| JUL | 101.6 | 87.6 | 1)2.4 | 4.0 | 86. | 130.4 | 64.4 | 15.2 | 14.0 | 12.4 |
| AUG | 110.0 | 86.4 | 94.0 | 86.: | 95.6 | 119.6 | 58.8 | 14.4 | 132 | 28. |
| SEP | 112.4 | 864 | 9:.8 | 101.6 | 692 | 1176 | 37.6 | 10.4 | 12.8 |  |
| OCT | 109.2 | 964 | 10.0 | 160.: | 1154 | 115.2 | 34.8 | 9.6 | 13.2 |  |
| NOV | 126.8 | 77.6 | 67.6 | 1536 | - 3.6 | 111.6 | 7.2 | 10.0 | 19.6 |  |
| DEC | 125.6 | 81.6 | 376 | 148. | $\bigcirc$ | 99.6 | 7.2 | 10.0 | 20.0 |  |
| Average | 103.7 | 96."* | 895 | 100.0 | 161.0 | 136.8 | 57.3 | 10.0 | 16.4 |  |

V-C Merchant Vess:1s Comp'eted During Month (groes towe) a/

| JAN | 8,629 | 6,3c6 | 2.4 | $7, \ldots 3$ | 2j,779 | [99,413 | 2,913 | 15,944 | 4,1 9 | 3, 03 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FEB | 7.578 | 12,374 | 2, 737 | 3.323 | 4,241 | 25,622 | 3,203 | 2.338 | 2,976 | 4, 48,3 |
| MAR | 33,016 | 41,869 | 12,90 | 11.128 | 2, 840 | 17.443 | 41,991 | 41, 213 | 5.314 | 14.510 |
| APR | 22,874 | 42,75\% | 9,88: | 20,668 | 1 , 930 , | +13.766 | 17.532 | 2,885 | 12,904 | 12.40 |
| MAY | 16,377 | 40,030 | 4:: | 9, "75 | 45,570 | 34,527 | 25, 260 | 9,474 | 11,958 | $2 a_{2} 26$ |
| JUN | 22,819 | 56,075 | 2, ?1 | 7,6.6 | 29,806 | 22,647 | 10,782 | 2. 94 | $\cdots, 535$ | 5, 28 |
| UL | 14,009 | 25,184 |  | 21,5e5 | 45,06r | 30,471 | 28,338 | 5, 264 | 10,970 | 4. 30 |
| AUC | 19,423 | 24,352 | 12,57 | 52, 208 | 75,030 | 11,554 | 2,697 | 5,673 | 5,156 | 4, 505 |
| SEP | 11,317 | (31,510 | 27,85 | 28,325 | 32,093 | 27,906 | 10,273 | 2,787 | 49,975 |  |
| OCT | 12,414 | 9,290 | , 148 | 8,62 | 51,5.7 | 4,21 | 22,795 | 5,148 | 2,441 |  |
| NOV | 23, 237 | 26,657 | 4,913 | 4, 347 | [53, 5:1 | 23,229 | 39,179 | 5,930 | 2,370 |  |
| DEC. | 36,376 | 35,867 | 3,884 | 13.692 | 25,71 | 23.055 | 7.698 | 8,363 | 2.430 |  |
| Arerage | 19,006 | 29,946 | 13,661 | $17,3 \div 9$ | [36,463 | 21,991 | 17,847 | 9,568 | 9,849 |  |
| a/ Bure u if Navigation (taken from Survey of Current Busineas). b/ V-A divided by 1929 averge ( 250,000 gross tons). |  |  |  |  |  |  |  |  |  |  |

DIV SION OF REVIEW, NRA
Industry Statietics Onit, JKC:rb. $0-25-34$
8926

# SHIP AND BOAT BUILDING AND RFPPAIRING INDUSTRIES 

Establishments, Wage Earners, Wages, Cost of Materials, Value of Products,
Value Added, and Horsopower, by Ceneus Teare, 1899 to 1933

| Year | Number of Hstablishments | Wage Parners (Average for Iear) | $\begin{gathered} \text { Wages } \\ \text { (Thousande of Dollare) } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Cost of Material }{ }^{a /} \\ & \text { (Thousands of Dollars) } \end{aligned}$ | Talue of Products (Thousande of Dollars) | Value Added by Manufacture <br> (Thousands of Dollara) | Horeopower (In Thousands) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1899 | 1,107 | 46,747 | 24,825 | 33.475 | 74.532 | 41,057 | 61 |
| 1904 | 1,097 | 50,754 | 29, 241 | 37.463 | 82,769 | 45,306 | 78 |
| 1909 | 1.353 | 40.506 | 25.268 | 31,214 | 73,360 | 42,146 | 88 |
| 1914 | 1,147 | 44,489 | 32,931 | 38,597 | 88,682 | 50,085 | 115 |
| 1919 | 1,075 | 387.446 | 597.447 | 710.523 | 1,622,361 | 911.839 | 553 |
| 1921 | 640 | 106,445 | 155,943 | 169,368 | 400,834 | 231.466 | b |
| 1923 | 567 | 62,287 | 90,720 | 84,558 | 213. 232 | 128,675 | 318 |
| 1925 | 565 | 50,224 | 74,275 | 66,299 | 177.182 | 110,883 | 303 |
| 1927 | 559 | 55,014 | 87,081 | 78,626 | 211,127 | 132,501 | 314 |
| 1929 | 624 | 55,089 | 88,274 | 85,849 | 231,300 | 145.451 | 337 |
| 1931 | 518 | 45,262 | 62,028 | 72,322 | 186,993 | 114,571 | b/ |
| 1933 | 395 | 30,885 | 33.890 | 31,172 | 92,696 | 61,524 | b) |

 Building n Thay do not include establishments ith annual production valued at less than $\$ 5,000$ in 1921 and subsequant Census yeara, for prior Census fears data do not include establishmente with annual production valued at lees than $\$ 500$.

## a) Includes cost of meterials, fuel, and purchased electric energy.

Hot available.

## Propared by <br> Industry Statistics Unit, <br> Statistics Section, <br> Division of Revien, iRA. <br> October 14, 1935

SEIP AND BOAT BUILDING AND RRPAIRING INDUSTRIES
Egtablishante, Tage Parnerp, Vagen, Cost of Materials, Value of Products, and Falue Added by Mamafacture, by States, 1929

| State | Retablitemosts |  | Tage Tarners |  | Tager |  | Cost of Materiala ${ }^{\text {a }}$ |  | Yolue of Products |  | Value Added by Nenpiactrure |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fumber | Per Oent of Total | Fumber | Per Cent of Total | Thousands of Dollars | Per Cent of total | Thousands of Dollare | Per Cent of Total | thousands of Dollare | Per Cent of Total | thousends of Dollars | Per Cont of cotal |
| U. 8. total | 624 | 100.0 | 55.089 | 100.0 | 88,274 | 100.0 | 85,849 | 100.0 | 231,300 | 100.0 | 145,451 | 100.0 |
| California | 60 | 9.6 | 4,178 | 7.6 | 7.605 | 8.9 | 8,016 | 9.3 | 20,665 | 8.9 | 12,649 | 8.7 |
| Connecticut | 25 | 4.0 | 846 | 1.5 | 1,355 | 1.5 | 1,294 | 1.5 | 3,653 | 1.6 | 2,359 | 1.6 |
| Delamare | 9 | 1.4 | 1,239 | 2.2 | 1,594 | 1.8 | 3,024 | 3.5 | 6.909 | 3.0 | 3.885 | 2.7 |
| Jorids | 30 | 4.8 | 740 | 1.3 | 933 | 1.1 | 962 | 1.1 | 2,917 | 1.3 | 1,955 | 1.3 |
| Loulstana | 12 | 1.9 | 1,277 | 2.3 | 2,107 | 2.4 | 1,148 | 1.3 | 4,176 | 1.8 | 3,028 | 2.1 |
| Haso | 24 | 3.9 | 1,134 | 2.1 | 1,362 | 1.6 | 2,434 | 2.8 | 4.421 | 1.9 | 1,987 | 1.4 |
| Marylend | 24 | 3.9 | 2,312 | 4.2 | 3,381 | 3.8 | 2,711 | 3.2 | 8. 310 | 3.6 | 5,600 | 3.8 |
| Massackmetts | 40 | 6.4 | 3.635 | 6.6 | 6,500 | 7.4 | 5.584 | 6.5 | 16,450 | 7.1 | 10,865 | 7.5 |
| 11chigan | 30 | 4.8 | 1,803 | 3.3 | 3,019 | 3.4 | 4,661 | 5.4 | 10,924 | 4.7 | 6,253 | 4.3 |
| Eow Jersey | 41 | 6.6 | 7.551 | 13.7 | 12,384 | 14.0 | 9,406 | 11.0 | 29,621 | 12.8 | 20,215 | 13.9 |
| Iet Iorz | 98 | 15.7 | 10,811 | 19.6 | 19.533 | 22.1 | 13,808 | 16.1 | 46,480 | 20.1 | 32,672 | 22.5 |
| 0 ll 10 | 21 | 3.4 | 2,105 | 3.8 | 3.186 | 3.6 | 3.694 | 4.3 | 8,855 | 3.8 | 5,161 | 3.5 |
| Pannsylvania | 17 | 2.7 | 3.356 | 6.1 | 5,287 | 6.0 | 5,409 | 6.3 | 13.488 | 5.8 | 8,079 | 5.5 |
| Prode Ieland | 9 | 1.4 | 577 | 1.0 | 882 | 1.0 | 2,547 | 3.0 | 3,781 | 1.6 | 1,234 | . 8 |
| Sexas | 9 | 1.4 | 579 | 1.1 | 886 | 1.0 | 611 | . 7 | 2,308 | 1.0 | 1.697 | 1.2 |
| Tirginia | 22 | 3.5 | 6,760 | 12.3 | 9.260 | 10.5 | 11,182 | 13.0 | 25,293 | 10.9 | 14,111 | 9.7 |
| Washington | 53 | 8.5 | 1,464 | 2.7 | 2,402 | 2.7 | 2,010 | 2.4 | 5,475 | 2.4 | 3,465 | 2.4 |
| Tieconsin | 19 | 3.1 | 1,297 | 2.4 | 1,881 | 2.1 | 3.335 | 3.9 | 6,618 | 2.9 | 3,282 | 2.3 |
| Other states b/ | 81 b | 13.0 | 3.425 | 6.2 | 4,567 | 5.1 | 4,013 | 4.7 | 10,956 | 4.8 | 6,944 | 4.8 |

[^1]

## SHIP AND BOAT BUILDING AND BEPAIRING INDUSTRIES

Establishments, llage Farners, Mages, Cost of Materials, Value of Products, and Value sded by Manufacture, by States, 1931

| State | Establishmenta |  | Hage Earners |  | Hages |  | Cost of Materisis ${ }^{a /}$ |  | Telue of Products |  | Value Added by Manufacture |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Per cent of Total | Number | Per Cent of Total | Thousands of Dollars | Per Cent <br> of Total | Thousands of Dollars | Per Cent of Total | Thousands of Dollers | Per Cent of Ibtal | Thousands of Dollars | Per Cent of Total |
| U. S. Total | 518 | 100.0 | 45,262 | 100.0 | 62,028 | 100.0 | 72,322 | 100.0 | 186,993 | 100.0 | 114,671 | 100.0 |
| California | 47 | 9.1 | 2.938 | 65 | 4,188 | 6.8 | 3.612 | 5.0 | 12,085 | 6.5 | 8,473 | 7.4 |
| Cor:ecticut | 20 | 3.9 | 653 | 1.4 | 761 | 1.2 | 716 | 1.0 | 2,074 | 1.1 | 1.358 | 1.2 |
| Delarare | 8 | 1.5 | 457 | 1.0 | 550 | . 9 | 973 | 1.4 | 1,899 | 1.0 | 926 | . 8 |
| Loulsiana | 7 | 1.4 | 1,165 | 2.6 | 1,383 | 2.2 | 892 | 1.2 | 3.039 | 1.6 | 2.146 | 1.9 |
| Maine | 18 | 3.5 | 1.168 | 2.6 | 1,313 | 2.1 | 1.966 | 2.7 | 3,685 | 2.0 | 1.719 | 15 |
| Maryland | 27 | 52 | 1,481 | 3.3 | 2,167 | 3.5 | 2,797 | 3.9 | 6,818 | 3.6 | 4.021 | 35 |
| Massachusetts | 35 | 6.7 | 4,846 | 10.7 | 7.670 | 2.4 | 12,971 | 179 | 27,711 | 14.8 | 14741 | 12.9 |
| Michican | 18 | 3.5 | 926 | 2.0 | 1,290 | 2.1 | 1,809 | 2.5 | 4,655 | 2.5 | 2846 | 2.5 |
| Kem Jersey | 37 | 7.1 | 8,499 | 18.8 | 11,021 | 17.8 | 14,750 | 20.4 | 31,311 | 16.8 | 16.562 | 14.4 |
| Wew Yorls | 89 | 17.2 | 7178 | 159 | 11,416 | 18.4 | 8,105 | 11.2 | 31,689 | 16.9 | 23583 | 206 |
| Obio | 16 | 3.1 | 1.083 | 24 | 1,541 | 2.5 | 1, 144 | 1.6 | 3.324 | 1.8 | 2,180 | 1.9 |
| Pennsylvania | 16 | 31 | 3123 | 6.9 | 3.926 | 6.3 | 6,457 | 8.9 | 13.731 | 7.3 | 7.273 | 6.3 |
| Tashington | 43 | 83 | 780 | 1.7 | 1,208 | 1.9 | 1.182 | 1.6 | 2,944 | 1.6 | 1.763 | 5 |
| Wisconsin | 15 | 2.9 | 631 | 1.4 | 734 | 1.2 | 707 | 1.0 | 1.964 | 1.1 | 1,257 | 1:1 |
| Other states ${ }^{\text {b/ }}$ | 122 b | 23.5 | 10,334 | 22.8 | 12,860 | 20.7 | 14,241 | 19.7 | 40,064 | 21.4 | 25,823 | 22.5 |

 production valued at les: than $\$ 5000$.
a/ Includes st of materials. fu 1 , an purchased electrical energy.
 North Caro ina, 2, Oregon, 9; Rhode Island, 9; South Carolina, 1; Texas, 8; Vermont, 1; Virginia, 22; West Virginia, 4.

Prepared by
Industry Statastics Unit.
Statistics Section,
Divis on of Review NRA
Octob I 9, 1935

SHIP AND BOAT BUILDING AND REPAIRING INDUSTRIES
Establishonts, Fiage Farners, Fages, Cost of Materials, Value of Products, and Value Added by Manufacture, by States, 1933

| State | Fetablishments |  | Wage Farners |  | Hages |  | Cost of Materisisa/ |  | Talue of Products |  | Value Added by Manufacture |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fumber | Per Cent of total | Fumber | Per cent of Total | Thousends of Dollars | Per Cent of Total | Thousands of Dollars | Per Cent of Total | Thousands of Dollars | Per Cent of TTotal | Thousands of Dollars | Per Cent of Total |
| O. s. Sotal | 395 | 100.0 | 30,885 | 100.0 | 33.890 | 100.0 | 31,172 | 100.0 | 92,696 | 100.0 | 61.524 | 100.0 |
| California | 39 | 9.9 | 2,240 | 7.3 | 2,635 | 7.8 | 2,268 | 7.3 | 7.717 | 8.3 | 5,448 | 8.9 |
| connecticut | 15 | 3.8 | 578 | 1.9 | 788 | 2.3 | 719 | 2.3 | 2,227 | 2.4 | 1,507 | 2.4 |
| Louisiana | 9 | 2.3 | 953 | 3.1 | 799 | 2.3 | 556 | 1.8 | 1,841 | 2.0 | 1,285 | 2.1 |
| Maryland | 19 | 4.8 | 1.543 | 5.0 | 1,681 | 5.0 | 1.353 | 4.3 | 4,238 | 4.6 | 2,885 | 4.7 |
| Michigan | 14 | 3.6 | 351 | 1.1 | 432 | 1.3 | 592 | 1.9 | 1,600 | 1.7 | 1,008 | 1.6 |
| Men Jersey | 35 | 8.9 | 5,437 | 17.6 | 6,146 | 18.1 | 5,204 | 16.7 | 15,424 | 16.7 | 10,220 | 16.6 |
| Hev Yoric | 76 | 19.2 | 5.566 | 18.0 | 6,700 | 19.8 | 4,653 | 14.9 | 16,926 | 18.3 | 12,273 | 20.0 |
| Ohlo | 13 | 3.3 | 536 | 1.7 | 599 | 1.8 | 601 | 1.9 | 1,847 | 2.0 | 1,246 | 2.0 |
| Pennsylvanis | 14 | 3.5 | 2.192 | 6.9 | 2,449 | 7.2 | 2,239 | 7.2 | 5,060 | 5.4 | 2,821 | 4.6 |
| Tashington | 25 | 6.3 | 779 | 2.5 | 1,067 | 3.1 | 901 | 2.9 | 2.458 | 2.6 | 1,557 | 2.5 |
| Other atates b/ | 1360/ | 34.4 | 10,780 | 34.9 | 10,594 | 31.3 | 12,086 | 38.8 | 33.358 | 36.0 | 21,274 | 34.6 |

 production valued at less than $\$ 5,000$.
a) Includes cost of materials, fuel and purchased slectrical energy.
b/ Florida, 17; Illinois, 9; Indiana, 4; Kinnesota, 7; Oregon, 6; Mhode Island, 6; not soperately shown 87.

## Prepared by

Industry Statistics Onit,
Statistics Section,
Division of Review, HRA.
October 9, 1935
两

|  | Number of Plants |  |  |
| :---: | :---: | :---: | :---: |
|  | Total | Shioyards | Shore Shoos |
| Totel | 595 | 251 | 344 |
| Alabaria | 16 | 7 | 9 |
| California | $3{ }^{3}$ | 15 | 22 |
| Connecticut | 4 | 2 | 2 |
| Delamare | 3 | 3 |  |
| Florióa | 49 | 17 | 32 |
| Georgia | 5 | 4 | 1 |
| Illinois | 11 | 5 | 6 |
| Indiana | 2 | 2 |  |
| Iowa | 1 | 1 |  |
| Louisiana | 16 | 7 | 9 |
| Naine | 12. | 6 | 5 |
| Maryland | 25 | 18 | 7 |
| Massachusetts | 39 | 18 | 21 |
| Michigan | 5 | 4 | 1 |
| Mississipni | 1 | 1 |  |
| Missouri | 1 | 1 |  |
| New Jerse ${ }_{i}^{-T}$ | 31 | 17 | 14 |
| Nem Yorls | 150 | 33 | 117 |
| North Carotims | 6 | 5 | 1 |
| Ohio | I' | 5 | 12 |
| Oregon | 15 | 4 | 11 |
| Penrssylveri | 17 | 9 | 3 |
| Nhode Islexu | 4 | 2 | 2 |
| South Ceroinit | 3 | 2 | 1 |
| Tennessee | 1 | 1 |  |
| Texas | 28 | 11 | 17 |
| Virgizia | 20 | 12 | 8 |
| Washimétor | 67 | 34 | 30 |
|  | 2 | 1 | 1 |
| Wisornoin | 8 | $\stackrel{\square}{4}$ | 4 |

Source: Sjecial Tabulation by National Council of Anerican Shipbuilders.

Prenored by
Industry Statistics Unit,
Statistics Section
Division of Review, IIR4
October 22, 1535.
TABLE IX
SHIP AIVD BOAT BUILDING AND REPAIRING INDUSTRIES luaber of Employees in Identical Yards Building Fooden and Steel Eoats up to 126 Feet in Length,
by Regions, 1929 and 1933
by Regions, 1929 and 1933

| Region |  | inuner of Employees |  | Decrease |
| :---: | :---: | :---: | :---: | :---: |
|  | Yords <br> IFunber | 1929 | 1933 | 1933 from 1929 Per Cent |
| Total | 161 | 4,216 | 1,660 | 60.6 |
| North Atlantic | 55 | 2,888 | 848 | 70.6 |
| South Atlentic | 9 | 73 | 35 | 52.1 |
| Gulf Coast | 7 | 82 | 59 | 28.0 |
| Central \& Great Lakses | 36 | 650 | 467 | 28.2 |
| Pacific | 24 | 523 | 251 | 52.0 |

[^2]SEIP AND BOAT BUILDING AND RHPAIRING INDUSTRIES
Astablishments, Wage Earners, Wages, Cost of Materials, and Value of Prodacts
Classified by Size of City, 1933

| Population of City | Establishments |  | Tege Farners |  | Tages |  | Cost of Materials |  | Valne of Products |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mumber | Par Cent of Total | Number | Par Cent Of Total | Thousands of Dollere | Per Cant of Total | Thousende of Dollare | Par Cent of sotal | Thousends of Dollars | Per Cent of Total |
| Total | 395 | 100.0 | 30,885 | 100.0 | 33.890 | 100.0 | 31,172 | 100.0 | 92,696 | 100.0 |
| Less than 2,500 | 67 | 17.0 | 1,282 | 4.2 | 1,208 | 3.6 | 1,894 | 6.1 | 4,142 | 4.5 |
| 2,500-4,999 | 25 | 6.3 | 808 | 2.6 | 946 | 2.8 | 957 | 3.1 | 2,563 | 2.8 |
| 5,000-9,999 | 26 | 6.6 | 878 | 2.8 | 848 | 2.5 | 1,388 | 4.5 | 2,888 | 3.1 |
| 10,000-24.999 | 41 | 10.4 | 1,086 | 3.5 | 1,158 | 3.4 | 1,418 | 4.5 | 3,602 | 3.9 |
| 25,000-99,999 | 58 | 14.7 | 11,765 | 38.1 | 12,176 | 35.9 | 11,641 | 37.3 | 33,888 | 36.6 |
| 100,000-499,999 | 84 | 21.3 | 6,593 | 21.3 | 7.510 | 22.2 | 6,775 | 21.7 | 19,787 | 21.3 |
| 500,000 and over | 94 | 23.7 | 8,473 | 27.5 | 10,044 | 29.6 . | 7.099 | 22.8 | 25,826 | 27.8 |

 hey do not includs establishments with annual production valued at less than $\$ 5,000$
a) Includes cost of materials, fual, and purchased electi ic energy.

Prepared by
Industry Statistice Unit
Statistics Section,
Division of Reviet, NRA. October 17, 1935
per Estaiulishment, 1929

| Value of Products per Establishment | Estoblishreents |  | Tase Tarners |  | Volue of Products |  | Value Added by liamufacture |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Per Cent of Total | Number | Per Cent <br> oir Total | Thousands of Dollar | Per Cent <br> s of Total | Thousends of Dollar | Per Cent <br> sof Total |
| Total | 624 | 100.0 | 55,089 | 100.0 | 231,300 | 100.0 | 145,451 | 100.0 |
| \$ 5,000-\$ 19,599 | 172 | 27.5 | 655 | 1.2 | 1,963 | . 8 | I, 239 | . 9 |
| 20,000- 49,999 | 126 | 20.5 | 1,094 | 2.0 | 4,078 | 1.8 | 2,598 | 1.8 |
| 50,000- 99,999 | 94 | 15.1 | 1,820 | 3.3 | 5,694 | 2.9 | 4,235 | 2.9 |
| 100,000-249,999 | 54 | 15.7 | 3,768 | 6.3 | 15,166 | 6.6 | 9,373 | 6.4 |
| 250,000-499,999 | 56 | 9.0 | 5,018 | 9.1 | 20,256 | 8.7 | 12,669 | 8.7 |
| 500,000- 999,999 | 31 | 5.0 | 5,380 | 9.8 | 23,275 | 10.1 | 15,431 | 10.6 |
| 1,000,000-2,499,999 | 25 | 14.0 | 9,369 | 17.0 | 39,269 | 17.0 | 26,406 | 18.2 |
| 2,500,000-4,999,999 | 17 | 2.7 | 11,537 | 20.9 | 53,301 | 23.0 | 31, 748 | 21.8 |
| 5,000,000 and over | 7 | 1.1 | 16,448 | 20.9 | 67,298 | 29.1 | 41, 752 | 28.7 |

Industry Statistics Unit,
Statistics Section,
Division of Review, MRA.
October 8, 1935.
TABLE XII-A

## SHIP AND BOAT BUILDING AND RBPAIRING INDUSTRIES

Establishments and Wage Earners
Establishment, 1929

| Number of Wage Earners per Establishment | Establishments |  | Wage Earners |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | Per Cent of Total | Number | Per Cent of Total |
| Total | 624 | 100.0 | 55,089 | 100.0 |
| 1-5 | 188 | 30.1 | 631 | 1.1 |
| 6-20 | 176 | 28.2 | 2,038 | 3.7 |
| 21-50 | 113 | 18.1 | 3,745 | 6.8 |
| 51 - 100 | 51 | 8.2 | 3,594 | 6.5 |
| 101 - 250 | 47 | 7.5 | 7,192 | 13.1 |
| 251-500 | 22 | 3.5 | 7,216 | 13.1 |
| 501-1,000 | 19 | 3.1 | 13,014 | 23.6 |
| 1,001-2,500 | 6 | 1.0 | 17,659 | 32.1 |
| 2,501 and over | 2 | . 3 | a/ | a/ |

[^3]Prepared by
Industry Statistics Unit,
Statistics Section,
Division of Review, IRA.
October 8, 1935.

SEIP AND BOAT EUILDIFG AKD BEPAIRITG IHDUSTRIES
Fetebliabmonta, Fiego Enmers, Eagas, Cost of Haterials, and Value of Prodacte,
Classifled by fumber of Fage Earnore per Sstablishant, 1931

| Fumber of lago Earners per Patobifbang | Satablis branter |  | Hace ismars |  | Fapar |  | Cost of Haterial ${ }^{\text {div }}$ |  | Falre of Prechets |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Rumber | $\begin{aligned} & \text { Pay Cont } \\ & \text { of Potal } \end{aligned}$ | Suriber | Per Cent of Total | Thousands of Dollara | Per Cent of Total | Thorneands of Dollere | Per Cent of Total. | Thoueands of Dollar | Per Oant ef apal |
| Total | 518 | 100.0 | 45,262 | 100.0 | 62,028 | 100.0 | 7, 322 | 100.0 | 186,993 | 100.0 |
| Hono | 1 | . 2 |  |  |  |  | b/ | b/ | w/ | b/ |
| 1-5 | 152 | 29.3 | 448 | 1.0 | 596 | 1.0 | 636 | . 9 | 1.731 | . 9 |
| 6- 20 | 156 | 30.1 | 1.784 | 3.9 | 2.428 | 3.9 | 2,296 | 3.2 | 6,256 | 3.3 |
| $21-50$ | 94 | 18.2 | 3.070 | 6.8 | 4,679 | 7.5 | 4,634 | 6.4 | 12,247 | 6.5 |
| 51-100 | 46 | 8.9 | 3,276 | 7.2 | 4,683 | 7.6 | 5,251 | 7.3 | 14,199 | 7.6 |
| 101-250 | 35 | 6.8 | 5.690 | 12.6 | 8,259 | 13.3 | 7,092 | 9.8 | 20,301 | 10.9 |
| $251-500$ | 18 | 3.5 | 6,332 | 14.0 | 7.602 | 12.3 | 8,671 | 12.0 | 24,646 | 13.2 |
| $501-1,000$ | 10 | 1.9 | 6,595 | 14.6 | 8,259 | 13.3 | 6.332 | 8.7 | 25.119 | 13.4 |
| 1,001-2,500 | 3 | . 5 | 4,944 | 10.7 | 7.575 | 12.2 | 9115 | 12.6 | 21,611 | 11.6 |
| 2,501-5,000 | 2 | . 4 | 13,223 | 29.2 | 17.947 | 28.9 | 28,295 | 39.1 | 60,883 | 32.6 |
| 5,001-10,000 | 1 | . 2 | b/ | b/ | b/ | b/ | b/ | b/ | b/ | - |

Soureos Burem of the Gensus, Spacial Tabulation for HRA on Fatablishments Clasifled by Fumber of Nage Rarners. Data are for Cancus Clasification

o/ Includes cost of materiala, fuol, and parchased electric onerey
Included in olass imodiately above or below to aroid diralging information on ons eatabliaknont.
Prepared by
Indestry Statistics Unit,
Statistice Section.
Divicion of Beviem, kPA
october 23. 1935

SHIP AND BOAT BUILDING AND REPAIRING INDUSTRIES
Establishments, Fage Earnere, Wages, Valuo of Products, and Value Added,
Classified by Jumber of Fags Tarners per Establishents, 1933

| Fruber of Tage Barners per Titablemonts | Tstablispments |  | Fage Faxners |  | Frees |  | Yelue of Products |  | Talue Added by Manufacture |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Por Cont |  | Per Cent | Thousends | Per Cont | Thousands | Por Cent | thousânds | Per Cont |
|  | Number | of Potal | 取mber | of Potal | of Dollars | of Total | of Dollars | Qf Total | of Dollars | of Total |
| Total | 395 | 100.0 | 30.885 | 100.0 | 33.890 | 100.0 | 92,696 | 100.0 | 61,524 | 100.0 |
| $1-5$ | 109 | 27.6 | 356 | 1.2 | 383 | 1.1 | 1,338 | 1.4 | 833 | 1.4 |
| 6 - 20 | 135 | 34.2 | 1,563 | 5.1 | 1,595 | 4.7 | 4,434 | 4.8 | 2,963 | 4.8 |
| 21 - 50 | 65 | 16.4 | 2,084 | 6.7 | 2,350 | 6.9 | 6,594 | 7.1 | 4,204 | 6.8 |
| $51-100$ | 32 | 8.1 | 2,256 | 7.3 | 2,334 | 6.9 | 6.177 | 6.7 | 3,859 | 6.3 |
| 101 and over | 54 | 13.7 | 24,626 | 79.7 | 27,228 | 80.4 | 74,153 | 80.0 | 49,665 | 80.7 |

 include establisments with annal production valued at lese than $\$ 5,000$.

## Propared by

Induatry Statistios Onit,
Statietice Section,
Division of Revien, 파
October 15, 1935

SHIP ArD BOAT BUILDING AND REPAIRING INDUSTRIES
Fstablishnente Wage Ear re, Wagas, Cost of Materials, and Value of Produces, Clagsifiad by Number of Wage Earners, and y Size of City, 1933

| Murber of Wage Ear iere per Establishment by Populition of Citios | Establishments |  | Fare Farners |  | Ilages |  | Cost of Materialeg |  | Yalue of Prodrcta |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Kumber | Per Cent of Total | Number | Per Cent of Total | Thousands of Dollar | Per Cent of Total | Thousands of Dollar | Per Cent of Total | Thousands of Dollare | Per Cent <br> of Total |
| 111 Establiehments: Total | 395 | 100,0 | 30.885 | 100.0 | 33.890 | 100.0 | 31,172 | 100.0 | 92,696 | 100.0 |
| Cities lees than 10,000 |  |  |  |  |  |  |  |  |  |  |
| Total | 118 | 29.9 | 2.968 | 9.6 | 3,001 | 8.9 | 4.239 | 13.6 | 9.593 | 10.4 |
| 0-5 Wage Earners | 47 | 11.9 | 152 | . 5 | 163 | . 5 | 194 | . 6 | 537 | . 6 |
| 6 - 20 n | 48 | 12.2 | 558 | 1.8 | 534 | 1.6 | 583 | 1.9 | 1.549 | 1.7 |
| 21-100 | 12 | 3.0 | 339 | 1.1 | 336 | 1.0 | 351 | 1.1 | 1,039 | 1.1 |
| Over 100 " | 11 | 2.8 | 1,919 | 6.2 | 1,968 | 5.8 | 3.111 | 10.1 | 6,468 | 7.0 |
| Citier $10,000-99.999$ |  |  |  |  |  |  |  |  |  |  |
| Total | 99 | 25.1 | 12,851 | 41.6 | 13.334 | 39.3 | 13.059 | 41.9 | 37.490 | 40.4 |
| $0-5$ Fage Earnere | 27 | 6.8 | 95 | . 3 | 97 | . 3 | 136 | . 4 | 389 | . 4 |
| 6-20 | 37 | 9.4 | 385 | 1.2 | 375 | 1.1 | 323 | 1.0 | 1,053 | 1.1 |
| 21-100 | 8 | 2.0 | 269 | . 9 | 243 | . 7 | 270 | . 9 | 757 | . 8 |
| Ovar 100 " | 27 | 6.9 | 12,102 | 39.2 | 12,619 | 37.2 | 12,330 | 39.6 | 35.291 | 38.1 |
| 01tios 100,000-499,999 |  |  |  |  |  |  |  |  |  |  |
| Total | 84 | 21.3 | 6. 593 | 21.4 | 7,511 | 22.2 | 6.775 | 21.7 | 19.787 | 21.3 |
| $0-5$ Hage Earnars | 24 | 6.1 | 82 | . 3 | 89 | . 3 | 127 | . 4 | 284 | . 3 |
| 6-20 | 21 | 5.3 | 259 | . 8 | 241 | . 7 | 214 | . 7 | 672 | . 7 |
| 21-100 | 19 | 4.8 | 619 | 2.0 | 720 | 2.1 | 977 | 3.1 | 2,118 | 2.3 |
| Over 100 | 20 | 5.1 | 5.633 | 18.3 | 6,461 | 19.1 | 5.457 | 17.5 | 16.713 | 18.0 |
| Clties 500,000 and over |  |  |  |  |  |  |  |  |  |  |
| Total | 94 | 23.7 | 8.473 | 27.4 | 10,044 | 29.6 | 7.099 | 22.8 | 25.260 | 27.9 |
| 0 - 5 Tage Barners | 11 | 2.8 | 29 | . 2 | 34 | . 1 | 7.49 | . 2 | 128 | . 1 |
| $6-20$ - | 29 | 7.3 | 361 | 1.2 | 445 | 1.3 | 352 | 1.1 | 1,159 | 1.3 |
| 21-100 | 26 | 6.6 | 857 | 2.8 | 1,052 | 3.1 | \% 792 | 2.6 18.9 | 2,680 21,859 | 2.9 23.6 |
| Otar 100 . | 28 | 7.0 | 7,226 | 23.3 | 8,513 | 25.1 | 5.906 | 18.9 | 21,859 | 23.6 |

[^4]af Includes cost of materiale, fuel. and purchased olectric onergy

[^5]Divieinn of Review, NRA

SHIP AND BOAT BUIIDIING AND REPAIRIITG INTOUSIRIES
Number of Yards, by Wage Eerners, 1929 and 1933

| Number of Employees | Number | $\frac{1929}{\text { Zer cent }}$ | INumber | $\frac{1933}{P o r ~ C e n t ~}$ |
| :---: | :---: | :---: | :---: | :---: |
| Total. | 342 | 100.0 | 372 | 100.0 |
| $\cdots$ | 25 | 7.3 | 53 | 14.2 |
| 2 | 24 | 7.0 | 44 | 11.8 |
| 3-9 | 97 | 28.3 | 124 | 33.3 |
| 10-19 | 50 | 14.6 | 50 | 13.4 |
| 20- 29 | 19 | 5.6 | 30 | 8.1 |
| $30-39$ | 23 | 6.7 | 15 | 4.0 |
| 40 - 49 | 16 | 4.7 | 8 | 2.1 |
| $50-59$ | 14 | 4.1 | 7 | 1.9 |
| $60-69$ | 8 | 2.3 | 3 | . 8 |
| 70- 79 | 5 | 1.5 | 4 | 1.1 |
| 80- 89 | 5 | 1.5 | 3 | . 8 |
| $90-59$ | 2 | . 6 | 4 | 1.1 |
| 100-149 | 14 | 4.1 | 10 | 2.7 |
| $150-199$ | 7 | 2.0 | 0 | . 0 |
| 200-349 | 7 | 2.0 | 4 | 1.1 |
| 250-299 | 4 | 1.2 | 3 | . 8 |
| 300-399 | 6 | 1.8 | 2 | . 5 |
| $400-499$ | 1 | . 3 | 1 | . 3 |
| $500-699$ | 8 | 2.3 | 1 | . 3 |
| 700-999 | 3 | . 9 | 4 | 1.1 |
| 1,000-1,499 | 1 | . 3 | 1 | . 3 |
| 1,500-1,999 | E | . 6 | 1 | . 3 |
| 2,000 - cine over | 1 | . 3 | 0 | . 0 |

Source: ivational Recovery Administration Questionnaires, July 1934, taurlated by the Eureau of Census.

Prepared Br
Industry Statistics Unit,
Statistics Section,
Division of Reviem, NRA.
October 22, 1935.
Prepared by
Industry Statistics Unit,
Statistics Section,
Division of Review, NRA
October 2, 1935

TABIE XVI
SHIP AND BOAT BUIIDING AND REPAIRING INDUSTRIES Nunber of Yards, by Minimum Hourly Wage Hate, 1929 and 1933

| Minimum Hourly Wage (in Cents) | 1929 |  | 1933 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | ivumber | Per Cent | Number | Per Cent |
| Total | 272 | 100.0 | 316 | 100.0 |
| Under 25 | 2 | . 7 | 4 | 1.3 |
| 25 to 20.9 | 10 | 3.7 | 5 | 1.5 |
| 30 to 34.9 | 15 | 5.5 | 22 | 7.0 |
| 35 to 39.9 | 23 | 8.5 | 46 | 14.6 |
| 4.0 to 44.9 | 41 | 15.0 | 52 | 16.4 |
| 45 to 49.9 | 33 | 12.2 | 58 | 18.4 |
| 50 to 54.9 | 70 | 25.7 | 62 | 19.6 |
| 55 to 59.9 | 7 | 2.6 | 14 | 4.4 |
| 60 to 64.9 | 24 | 8.8 | 18 | 5.7 |
| 65 to 69.9 | 3 | 1.1 | 9 | 2.9 |
| 70 to 74.9 | 5 | 1.9 | 2 | . 6 |
| 75 to 79.9 | 12 | 4.4 | 9 | 2.9 |
| 80 to 84.9 | 12 | 2.2 | 7 | 2.2 |
| 85 to 89.9 | 7 | 4.8 | 2 | . 6 |
| 90 and over | 8 | 2.9 | 6 | 1.9 |

Source: National Recovery Administration Questionnaires, July 1934, tabulated by Bureau of Census.

Prepared by
Industry Statistics Unit,
Statistics Section, Division of Revie⿴, NRA. October 2, 1935

## TABLT XVII

SHIP AND BOAT BUILDING AND REPAIRING IUDUSTRIES
Number of Yards, by Minimum Weekly Tarnings
of Office Hmployees, 1929 and 1933

| Minimum |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| (in Dollars) | Number | Per Cent | Number | Per Cent |
| Total | 200 | 100.0 | 231 | 100.0 |
| Less than 5 | - | - | 2 | . 9 |
| 5.00 to 9.99 | 7 | 3.5 | 6 | 2.6 |
| 10.00 to. 12.49 | 11 | 5.5 | 20 | 8.6 |
| 12.50 to 14.99 | 3 | 1.5 | 12 | 5.2 |
| 15.00 to 17.49 | 30 | 15.0 | 45 | 19.5 |
| 17.50 to 19.99 | 12 | 6.0 | 17 | 7.4 |
| 20.00 to 24.99 | 44 | 22.0 | 40 | 17.3 |
| 25.00 to 29.99 | 38 | 19.0 | 35 | 15.1 |
| 30.00 to 34.99 | 17 | 8.5 | 17 | 7.4 |
| 35.00 to 39.99 | 13 | 6.5 | 16 | 6.9 |
| 40.00 to 44.99 | 7 | 3.5 | 10 | 4.3 |
| 45,00 and over | 18 | 9.0 | 11 | 4.8 |

Source: National Recovery Administration Questionnaires, July 1934, tabulated by Bureau of Census.

Prepared by
Industiy Statistics Unit, Statistics Section, Division of Review, IRRA. October 2, 1935
TABLE XVIII
SHIP BUILDING Aivd Ship Repairing Industry
Sources of Material \#ntering into the Construction of

| State | Matcrial | amount (Thousands of Dollars) |
| :---: | :---: | :---: |
| Total |  | 15,000 |
| Alabama | Iron Ore, Limestone, Coke, Pig Iron, Pipe Fittings. | 25 |
| Arkansas | Ash Lumber. | 15 |
| Connecticut | Brass and Copper Products, Lighting Fixtures, Electric Wire, Hardware, Cutlery, Silverware, Chain, Ball B̈earings, Valves, Pipe Fittings, Gauges, Clocks, Comters. | 295 |
| Florida | Cypress, Turpentine and IVaval Stores. | 15 |
| Georgia | Yellow Pine, Turpentine and Naval Stores, Canvas, Cotton. | 46 |
| Idaho | White Pine, Lead. | 35 |
| Illinois | Refrigurating Lachinery, Haramare, Valves, Limestone, Coke, Paints. | 92 |
| Kentucky | Fire Brick, Oak Lumber. | 35 |
| Louisiana | Yellow Pine, Cypress, Cotton, Sulphur. | 25 |
| Maine | Winches, Windlassos, Steering Gears, Capstans. | 93 |
| Laryland | Steel Platos, Brass and Copper Tubes and Sheets, Switchboard Material, Canvas, Oakun. | 197 |
| was sachusetts | Electric Wotors, Turbines and Generators, Pumps, Fans and Blowers, Rubber Tile, Furniture, Rugs and Draperies, Plunoing Fixtures, Insulating Paper, Manilla Rope, Valves, Office Supplies, Tools, Leather Belting, Grinding Wheels, Navigation Instruments. | 680 |
| Wichigan | Iron Ore, Limestone, White Pine, Plywood, Hardware, Furnitwre, Soot Blowers, Small Tools, Copper, Paints. | 260 |
| Minnesota | Iron Ore, White Pine, Flax, Linseed. | 92 |
| Mississippi | Yellon Pine, Cotton. | 25 |
| Missouri | Lead and Lead Products, Zinc. | 45 |

TABLE XVIII (Continued)
Sources of Material Entering into the Construction of $\$ 15,000,000$ Ship

| State | Material | Anount (Thousands of Dollars) |
| :---: | :---: | :---: |
| IVert Jersey | Boilers and Superheaters, Oil Burners, Refrigerating Machinery, Deck Machinery, Elevators, Fans, Furos, Plumbing Fixtures, Stritchboard Instruments, Electric Caile, Storage Batteries, Galley Equipnent, Fire Extinguishing Apparatus, Paints and Varnish, Zinc Oride, Glass, Steel Forgings, Babbit, Rubber Coods. | 1,175 |
| New York | Electric llotors, Turbines and Generators, Telephones, Comrunication and ITavieation Instruments, Life Boats, Boat Davits, Cast Iron Radiators, Furniture, Rugs and Droperies, Carpets, Linens, Magnesite Floor Covering, Galley Equipnent, Glass, Corlr Products, Tools, Foundry Supplies, Office Supplies, Scrap Hetals. | 1,100 |
| North Carolina | Canvas, Cotton Goods, Furniture, Spruce and liaple Iumber. | 126 |
| North Dalsota | Iinseed. | 12 |
| Ohio | Steel Shapes, Steel and Iron Pipe, Linestone, Coke, Glassmare, Quarry Tile, Sheet Rubber, Rubber Hose, Paint and Varnish, Anchors and Chain, Eardirare, Heaters, Evaporators, Distillers, Tools. | 330 |
| Oklahoraa | Fuel Oil and Iubricants, Lead, Zinc. | 35 |
| Orecon | Oregon Pine. | 35 |
| Pennsylvania | Steel Plates and Shapes, Sheet Steel, Iron and Steel Pipe, Steel Ingots, Steel Forgings, Steel Castings, Coal, Linestone, Coke, Electric liachinery, Refrigerating Machinery, Deck Machineiy, Thrust Bearings, Glass, Magnesia Pipe Covering, Anchors and Chain, Wire Rope, Hardvare, Plumbing Fixtures, Cast Iron Rediators, Galley Equipnent, Paints and Varnish, Alcohol, Pipe Fittings, Tools, Steam Packing, Office Supplies, Scrap Ifetal, Cenent. | 2,130 |
| Phode Island | Machine and Hand Tools. | 82 |
| South Carolina | Canvas, Cotton Products, Turpentine and Noval Stores. | 25 |
| Tennessee | Iron Ore, Hardmoods. | 25 |
| Texas | Fuel Oil and Petioleum Products, Ash Iuraber, Cotton. | 44 |



[^6]
## TABIE XIX

SHIP BUIIDING AND SHIP REPAIRIITG INDUSTRY Members of the Industry, Classified as to Trade Association Membership, 1934

| Total Subject to Code Provisions | $595 \mathrm{a} /$ |
| :--- | :---: |
| Non-Members of Trade Associations |  |
| Members of the National Council of <br> American Ship Builders | b/ |

Sources: As indicated in footnotes.
a/ Ship Building and Ship Repairing Code Authority. Figure inciudes 344 Shore Shovs.
b/ Not available.
c/ National Council of Anerican Ship Builders, Annual Report, April, 1934. Complote membership data on other Associations are not avajlente mit was indicated in a letter of Application submitting a revined cadis, July 20, 1933 (see Code Record files, "Shin Building and oith pacioins:" Vol. A) that the lvew York and New Jersey
 Dues Ansasiation included 5 firms at that date.

Prepared by
Industry Sratistics Unit, Statistics Section, Division of revier, NRA. October 23, 1935.

## TABLE XX

BOAT BUILDING AND BOAT REPAIRIIVG IMDUSTRY Members of the Industry, Classified as to Trade Association Membershiv, 1933

| Total Subject to Code Provisions | $2,340 \mathrm{a} /$ |
| :--- | ---: |
| Non-Members of Trade Association | $800 \mathrm{~b} /$ |
| Members of National Association of <br> Boat Builders and Renairers | $1,200 \mathrm{~b} /$ |

Source: As indicated in Pootnotes.
a) Coce Authority list of members.
b/ Estimate by the Code Application Committee as revorted in the Code Apolications. The following are affiliated or cooperating associam tions:

New England Association of Boat Builders and Repairers; Maine, Massachusetts and Rhode Island. Boat Builders and Repairers Association; Connecticut. Boat Builders and Repairers Association; Nev York Yacht Yards. Association Philadelphia District Boat Builders and Repairers. Boat Builders and Fepairers of Northern and Central California. Northrvest Boating Industry. Detroit Boat Builders Association. Central Florida, Jast Coast Boat Repairs Association. Storase and Repair Yards of Lower East Coast Florida.

Prepared by
Industry Sta亢istics Unit, Statistics Section,
Division of Review, NPA. October 23, 1935.


[^0]:    2/ Bureau of Labor Statistics series for "Shipbuilding."

[^1]:     anmal production ralued at less than $\$ 5,000$.
    $\sqrt{3}$
    Includes cost of materials, fusl, and purchased alectrical energy.
    Mabama, 8 ; District of Columbla, 1 ; Georgia, 3; Idaho, 1; Illinois, 12; Indiana, 7: Iova, 3; Kentucky, 3; Minnesota, 11; Miseissippi, 5; Missouri, 2; Horth Carolina, 2; Oregon, 13; South Carolina, 1; Tennessse, 2; Vermont, 1; Fest Virginia, 6.

    ```
    Prepared by
    Industry Statistice Unit,
    Statistics Section,
    Statistics Section,
    October 9, 1935
    ```

[^2]:    Prepared by
    Industry Statistics Unit,
    Statistics Section,
    Division of Revier,
    October 2, 1935

[^3]:    Source: Census of Manufactures, 1929, Vol. I, pp. 68, 69. Data are for Census classification "Ship and Boat Building." They do not include establishments with annual production valued at less than \$5,000.
    a/ Included in class immediately above to avoid divulging information on individual establishments.

[^4]:    
    

[^5]:    Prepared by
    Induntry Statistice Unit,
    Statistics Section,

[^6]:    Prostrystist Statistics Section, Division of Reviem,

    October 23, 1935.

