

(d) DISTRIBUTION OF TRAFFIC ON THE MAIN-HIGHWAY SYSTEM.

In order to indicate the extent to which traffic is concentrated on a relatively small proportion of the highway mileage the highways are classified hereunder according to the volume of traffic carried. Table D shows that 25 per cent. of the mileage carries less than fifty vehicles per day ; 54 per cent. carries less than one hundred ; and nearly 80 per cent. of the total highway mileage carries less than two hundred vehicles daily.

Table D.—Classifying Highway Mileage according to Traffic-density.

|                    | Mileage carrying the following Numbers of Motor-vehicles per Day. |         |                     |                   |                   |                   |                   |                  |                  |                  |            |                  | Total. |
|--------------------|-------------------------------------------------------------------|---------|---------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|------------|------------------|--------|
|                    | 0-50.                                                             | 50-100. | 100-200.            | 200-300.          | 300-400.          | 400-500.          | 500-600.          | 600-700.         | 700-800.         | 800-900.         | 900-1,000. | Over 1,000.      |        |
|                    | Miles.                                                            | Miles.  | Miles.              | Miles.            | Miles.            | Miles.            | Miles.            | Miles.           | Miles.           | Miles.           | Miles.     | Miles.           | Miles. |
| North Island ..    | 1,185                                                             | 1,729   | 1,760               | 557               | 405 $\frac{3}{4}$ | 145 $\frac{1}{2}$ | 173 $\frac{1}{2}$ | 82 $\frac{1}{2}$ | 51 $\frac{3}{4}$ | 38 $\frac{1}{2}$ | 17         | 40 $\frac{1}{2}$ | 6,206  |
| South Island ..    | 1,635 $\frac{1}{4}$                                               | 1,488   | 1,132 $\frac{1}{2}$ | 314 $\frac{1}{4}$ | 174 $\frac{1}{4}$ | 107 $\frac{3}{4}$ | 65 $\frac{1}{4}$  | 9                | 6 $\frac{1}{4}$  | 2 $\frac{3}{4}$  | ..         | 34 $\frac{3}{4}$ | 4,970  |
| New Zealand totals | 2,820 $\frac{1}{4}$                                               | 3,217   | 2,892 $\frac{1}{2}$ | 891 $\frac{1}{4}$ | 580               | 253 $\frac{1}{4}$ | 238 $\frac{3}{4}$ | 91 $\frac{1}{2}$ | 58               | 41 $\frac{1}{4}$ | 17         | 75 $\frac{1}{4}$ | 11,176 |

FIG. 3.—DISTRIBUTION OF TRAFFIC OVER MAIN HIGHWAY SYSTEM.

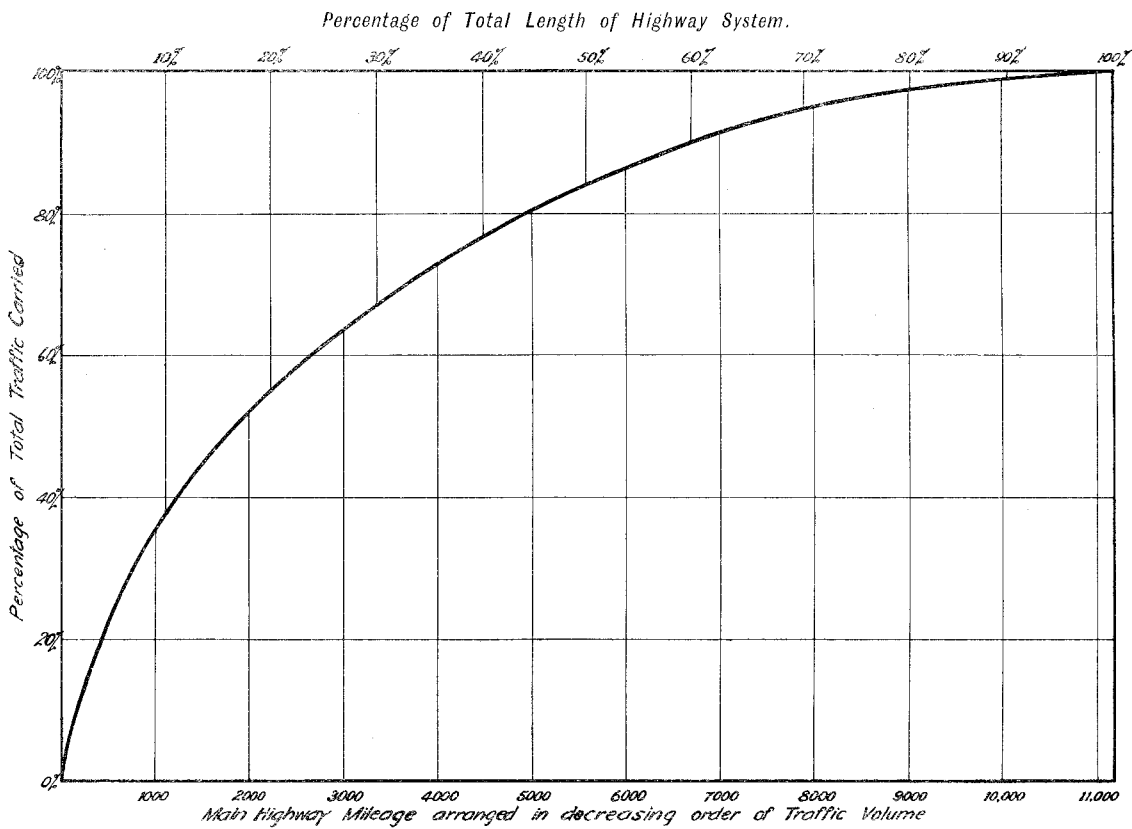


Figure 3 illustrates the concentration of the traffic in an even more striking manner. On studying this graph it is seen that 40 per cent. of the total traffic is carried by little over 10 per cent. of the highway mileage, and 80 per cent. of the traffic by only 45 per cent. of the mileage.

The range of the actual traffic-density recorded is very considerable. This is illustrated by Table E, which gives the value of the highest and of the lowest average volumes recorded in each highway district. Some highways which were not covered by the census are estimated to carry less than the figure shown in certain districts, but this table purports to show only actual recorded tallies.