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HIGHWAY USERS CONTRIBUTE LARGE SUMS TO PUBLIC REVENUE

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The reports of research published in this magazine are necessarily qualified by the conditions of the tests from which the data are obtained. Whenever it is deemed possible to do so, generalizations are drawn from the results of the tests; and, unless this is done, the conclusions formulated must be considered as specifically pertinent only to described conditions

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THE TAXATION OF MOTOR VEHICLES IN 1932

DIGEST OF A REPORT RESULTING FROM A SPECIAL STUDY BY THE U.S. BUREAU OF PUBLIC ROADS

Reported by G. P. ST. CLAIR, Associate Highway Engineer

REGISTRATION AND TAXATION OF MOTOR

VEHICLES IN 1932

STATE FEES AND TAXES

URING the summer of 1933 a survey was inaugurated by the Bureau of Public Roads for the purpose of determining the total of all special taxes imposed on the owners of motor vehicles in the United States. The calendar year 1932 was the most recent year which could be studied. A large volume of data was gathered and the work of analysis was not completed until the summer of 1934. A full report of this project is in course of publication, but will not be available in the immediate future. This article is a digest of the essential information produced by the survey.¹ tion of the records of the motor-vehicle department

The effort was made to have the survey as complete as possible, covering all classes of taxing jurisdictions. State taxation of motor vehicles has been adequately reported in past years in the annual compilations of State reports on registration, registration receipts, and gasoline taxes, published by the Bureau. Other agencies, including Government bodies, industrial organizations, and stu-dents of taxation, have published figures on the various kinds and amounts of motor-vehicle taxes. The present survey is the broadest in scope yet attempted, as it includes not only State taxes, but also Federal excise taxes, county and municipal taxes, personal-property taxes on motor vehicles imposed by State, county, and municipal jurisdictions, and public bridge tolls.

Only the public charges borne directly by the motor

vehicle owner were included in the survey totals. Purposely excluded from the investigation were such indirect charges as automobile dealers' licenses, fines and penalties, real-property taxes on automotive property (factories, garages, truck and bus terminals, etc.), income taxes on motor-vehicle operating enterprises, State chain-store and retail-sales taxes applying to gasoline stations and dealers in automobiles and automotive equipment, and similar imposts which are not levied directly on the ownership and operation of motor vehicles.

The field work was conducted by a force of statisticians, employed through 11 district offices of the Bureau and operating under detailed instructions prepared by the Washington office. The chief statistician in each State was usually a person employed in an administrative office of the State dealing with regulation of motor vehicles, a former employee, or other person thoroughly familiar with the State records. The work of compiling the data on State taxation of

motor vehicles involved a careful and detailed examina-

Vehicles reg-

and, in some cases, of other agencies, such as public service commissions regulating for-hire carriers. The work of obtaining data on county and municipal special taxes and personalproperty taxes was more difficult, and, necessarily. the results were less complete. While much information was obtained by interviewing State tax officials and by examining the records of central accounting systems, the bulk of the material was derived from answers to questionnaires mailed to county and municipal officials, requesting specific information on local registration and taxation of vehicles.

In the survey as conducted no data were obtained on the payments by motorists of tolls on public bridges and ferries. In order to make the record of motor-vehicle taxation as complete as possible, it was decided to include such payments, and a short

study was made in the Washington office of available data on the subject.

RESULTS OF SURVEY SUMMARIZED

The total payments of motor-vehicle taxes, Federal, State, and local, as reported in the 1932 survey, are shown in the tabulation given above. It will be observed that public bridge tolls and county and municipal fees and taxes are marked as incomplete, and that personal-property taxes are marked as approximate. Of these, all totals except that for personal-property taxes are undoubtedly less than the actual payments of such taxes in 1932. The replies to questionnaries on county and municipal taxes were incomplete, as was also the information obtained on the subject of bridge tolls. In the case of personal-property taxes a very

	istered and tax-paid	Registration fees paid
Registration:		
Passenger cars, including taxicabs	_ 20, 836, 362	\$214, 725, 478
Busses	- 49, 452	3, 416, 697
Trucks and tractor trucks	_ 3, 229, 315	71, 204, 768
Trailers and semitrailers	415,276	3, 515, 345
Motorcycles	89, 197	326, 889
Total	_ 24, 619, 602	293, 189, 177
Special motor-vehicle carrier fees		5, 230, 792
State gasoline taxes		513, 047, 239
Operators' and chauffeurs' licenses		18, 280, 802
Miscellaneous fees and taxes		9, 082, 968
All State fees and taxes		838, 830, 978
ALL FEES AND TAX	XES	
Federal manufacturers' excise taxes		\$92, 378, 000
State fees and taxes		838, 831, 000
County fees and taxes (incomplete)		1, 703, 000
Municipal fees and taxes (incomplete)		14, 158, 000
Personal property taxes, all jurisdictions (approx		35, 880, 000
Public bridge and ferry tolls (incomplete)		18, 200, 000

¹ The survey was carried on under the joint supervision of H. S. Fairbank, Chief of the Division of Information, and E. W. James, Chief of the Division of Highway Transport. The work of organizing and directing the field force of statisticians dur-ing the summer of 1933 was conducted by H. H Kelly, of The Division of Highway Transport, and Prof. J. Trueman Thompson, of the Johns Hopkins University. The analysis and compilation of the data were made by H. H. Kelly, A. C. Rose, G. P. St. Clair, L. A. Abbot, and L. S. Tuttle. The material on personal property taxation of motor vehicles was prepared by H. R. Briggs.

thorough study was conducted, and estimates, based on the best information which could be found, were made in cases where the data were not complete. For this reason it is believed that the total payments of personal-property taxes in 1932 were not in excess of the amount tabulated.

The number of vehicles (including motorcycles and trailers and semitrailers) reported by the States as registered and tax-paid in 1932 was 24,619,602. The total motor-vehicle tax payments recorded in the survey were slightly more than a billion dollars, or \$40.66 per vehicle.

Payments to the State governments, chiefly in the form of registration fees and gasoline taxes, constitute the great bulk of motor-vehicle tax payments. The 1932 total, as reported in the survey, amounted to \$838,830,978. In the reports submitted by the statisticians, registrations and payments of registration fees were classified by type of vehicle, class of service, and, in the case of busses, trucks and tractor trucks, and trailers and semitrailers, by size-either by rated capacity or by weight classifications. A similar break-down of payments of special fees by commercial carriers was were excluded from the tabulation. Averages per vehi-

given in some States, but others failed to classify such payments completely.

In order to reduce the reported figures to a uniform scheme, so that national totals, averages, and percentages might be obtained, a system of approximations was adopted which involved conversions from gross, net, or chassis weight of vehicle to rated capacity and the classification of registered vehicles and corresponding payments in certain chosen capacity groups. It was also decided to estimate the payments of gasoline taxes by the different types, classes, and sizes of vehicles. A systematic method of approximation was adopted and applied to the reported payments of gasoline taxes in all the States. The methods used in this work are discussed later in the report.

STATE FEES AND TAXES SUMMARIZED

Table 1 gives the total number of vehicles of each type and class of service reported in the survey as registered and paying regular fees in 1932, together with corresponding payments of registration and special fees, and estimated gasoline tax payments. Publicly owned and tax-exempt vehicles, where separately reported,

TABLE 1.—State taxes imposed on motor vehicles in 1932; national totals, averages, and percentages for vehicles of different types and classes of service

	N	Per-	Regular	registration	1 fees 1	Estimated p	ayments o taxes	f gasoline	Special	All fo	ees and tax	es
Type of vehicle and class of service	Number registered	centage distri- bution	Amount collected	Average per ve- hicle	Percent- age dis- tribution	Amount	Average per ve- hicle	Percent- age dis- tribution	fees and taxes ²	Amount	Average per vehicle	Percent- age dis- tribution
Passenger cars ³ Taxicabs ⁴	20, 759, 140 77, 222	84.32 .31	\$213, 357, 330 1, 368, 148	\$10.28 17.72	72.89 .47	\$375, 082, 015 4, 682, 742	\$18.07 60.64	73.11 .91	\$117,997	\$588, 439, 345 6, 168, 887	\$28.35 79.89	72.51
Passenger cars and taxicabs	20, 836, 362	84.63	214, 725, 478	10.31	73.36	379, 764, 757	18.23	74.02	117, 997	594, 608, 232	28.54	73.27
Busses: School ⁵ Contract, including sight-see-	9, 813	. 04	211, 633	21. 57	. 07	384, 393	39.17	. 07		596, 026	60.74	. 08
ing 6 Public-carrier	$3,314 \\ 36,325$. 01 . 15	157, 395 3, 047, 669	47. 49 83. 90	$.06 \\ 1.04$	331, 783 5, 382, 256	$100.12 \\ 148.17$. 07 1. 05	17, 372 2, 287, 216	506, 550 10, 717, 141	152.85 295.03	.06 1.32
All busses	49, 452	. 20	3, 416, 697	69.09	1.17	6,098,432	123. 32	1.19	2, 304, 588	11, 819, 717	239.01	1.46
Trucks and tractor trucks: Privately owned and operated 7 Contract-carrier ⁸ Common-carrier ¹⁰	$3, 144, 704 \\69, 840 \\14, 771$	12.78 .28 .06	68, 113, 536 2, 174, 537 486, 474	$21. \ 66 \\ 31. \ 14 \\ 32. \ 93$	23. 27 . 74 . 17	$121,046,779 \\ 4,361,227 \\ 1,153,663$	$38.49 \\ 62.44 \\ 78.10$	23.60 . 85 . 22	1, 886 9 1, 112, 015 9 1, 107, 187	189, 162, 201 9 7, 647, 779 9 2, 747, 324	60, 15 108, 35 183, 49	23. 31 . 94 . 34
All trucks and tractor trucks.	3, 229, 315	13.12	70, 774, 547	21.92	24.18	126, 561, 669	39.19	24.67	2, 221, 088	199, 557, 304	61.80	24. 59
Trailers and semitrailers: Privately owned and oper- ated ¹¹ Contract-carrier ¹² Common-carrier ¹³	406, 431 5, 008 3, 837	1.65 .02 .02	3, 134, 711 179, 007 131, 041	7. 71 35. 74 34. 15	1.07 .06 .05				132, 315 393, 285	3, 134, 711 311, 322 524, 326	7.7162.16136.65	. 39 . 04 . 06
All trailers and semitrailers	415, 276	1.69	3, 444, 759	8.30	1.18				525, 600	3, 970, 359	9.56	. 49
Motorcycles Undistributed fees ¹⁴		. 36	326, 889	3.66	. 11	622, 381	6. 98	. 12	20 562, 306	949, 290 562, 306	10. 64	. 12 . 07
All vehicles	24, 619, 602	100.00	292, 688, 370	11.89	100.00	513, 047, 239	21.20	100.00	5, 731, 599	811, 467, 208	32.96	100.00
Miscellaneous fees and taxes: Operators' and chauffeurs' licenses Other fees ¹⁵										18, 280, 802 9, 082, 968		
Total							l			27, 363, 770	1, 11	
Grand total, all fees and taxes										838, 830, 978	34.07	

¹ In the case of contract and common carriers of property, registration fees in excess of those based on the rate charged private carriers have been deducted and included with special fees. Total payments of registration fees were \$283,189,177, as shown in the box on page 185. ³ Includes \$500,507 in excess registration fees paid by contract and common carriers of property, \$2,459,783 in mileage, ton-mile, and passenger-mile taxes, \$1,323,413 in receipts taxes, and \$1,447,596 in other special fees, including franchise fees, privilege taxes, fees for certificates of convenience and necessity, etc. ³ Includes taxicabs and other for-hire passenger cars in 20 States for which this item could not be segregated. Hearses and ambulances, where reported separately, have been included with passenger cars. ⁴ Totals for 27 States and the District of Columbia. Includes livery cars, U-drive-it cars, and other for-hire passenger cars. In the case of California, taxicabs were in cluded with light delivery trucks. ⁴ Totals for 16 States. In other States either there were no tax-paid school busses or they were included with other registration classifications, chiefly public-carrier buseses.

busses. • Totals for 19 States and the District of Columbia. In other States contract and sight-seeing busses either were not reported or were included with other registration classifications, chiefly public-carrier busses. 7 Includes contract carriers in 25 States and the District of Columbia and common carriers in 14 States and the District of Columbia, which did not report these classes

* Totals for 23 States. (See footnotes 7 and 9.) Includes common carriers in 3 States (Arkansas, Ohio, and West Virginia) which reported these classes together. * Totals for 23 States. (See footnotes 7 and 9.) Includes common carriers in 3 States (Arkansas, Ohio, and West Virginia) which reported these classes together. * These items include payments of special fees to the amount of \$80,701 by contract carriers in Montana, Oklahoma, and South Dakota, and \$36,971 by common carriers in South Dakota, which were not segregated from privately owned and operated trucks. The numbers of these vehicles and their payments of registration fees and gasoline taxes are included with private trucks. Averages per vehicle, for the items noted, were based on the payments by the 69,840 contract carriers and 14,771 common carriers regularly listed.

regularly listed. ¹⁰ Totals for 30 States. (See footnotes 7, 8, and 9.) Massachusetts reported contract carriers, but no common carriers. ¹¹ Includes contract carriers in 24 States and the District of Columbia, and common carriers in 17 States and the District of Columbia, which did not report these classes separately. Oklahoma had no registration of trailers in 1932; in Kentucky full trailers were not permitted, and semitrailers were included with trucks. ¹² Totals for 20 States. (See footnote 11.) Includes common carriers in 2 States (Arkansas and Ohio) which reported these two classes together. ¹³ Totals for 24 States. (See footnote 11 and 12.) Massachusetts, North Dakota, and Vermont reported no common-carrier trailers or semitrailers. ¹⁴ Special fees which could not be allocated to specific classes of vehicles by reasonable methods of approximation. ¹⁵ Includes for reregistrations, transfers, certificates of title, temporary entry permits, nominal fees paid by publicly owned vehicles, etc.

cle and the percentage distributions of registrations and payments are also given. In this tabulation payments of registration fees by contract and common carriers of property in excess of those based on the rates charged private carriers have been deducted from registration fees and placed with special fees and taxes.

Examination of the percentages given in table 1 reveals the following facts:

1. The owners of passenger cars, which constituted 84.3 percent of all vehicles, paid 72.9 percent of the registration fees and 73.1 percent of the gasoline taxes.

2. Taxicabs, reported separately from passenger cars in 27 States and the District of Columbia, comprised 0.3 percent of the vehicles; they contributed 0.5 percent of the registration fees and 0.9 percent of the gasoline taxes.

3. Motor busses, which included 0.2 percent of the vehicles, contributed 1.2 percent of the registration-fee payments and 1.2 percent of the gasoline taxes.

4. Motor trucks and tractor trucks, comprising 13.1 percent of the vehicles, paid 24.2 percent of the registration fees and 24.7 percent of the gasoline taxes.

5. Trailers and semitrailers constituted 1.7 percent of the vehicles and paid 1.2 percent of the registration fees.

Motorcycles, constituting 0.4 percent of the vehicles, contributed 0.1 percent of the registration fees and 0.1 percent of the gasoline taxes.

Special fees to the amount of \$5,230,792 were collected from operators of vehicles for hire and, in a few States, from certain classes of private operators. These imposts took the form of mileage, ton-mile, or passenger-mile taxes, receipts taxes, special weight or capacity taxes, franchise fees or privilege taxes, permit fees, and fees for certificates of convenience and necessity. To this amount must be added \$500,807 in excess registration fees paid by for-hire carriers of property (fees in excess of those calculated on the private-carrier rate). If the special fees are added to the registration fees and gasoline taxes, it is found that busses contributed 1.5 percent and trucks and trailers 25.1 percent of all fees and taxes directly imposed on motor vehicles in 1932.

AVERAGE PAYMENTS SHOW SHARP INCREASE WITH SIZE OF VEHICLE

As the weight or capacity of vehicles increases there is, in general, a steady rise in the average fees paid. In table 2 the variation of average payments of registration fees, gasoline taxes, and all fees and taxes is shown for public-carrier busses, for all trucks and tractor trucks, and for all trailers and semitrailers. These are national averages for 1932, based on data obtained in the survey.

CONCLUSIONS AND COMMENTS

The complexity of the motor-vehicle tax situation in the United States makes it very difficult to draw any conclusions which are both definite and generally applicable. The following statements, however, are supported by the data gathered in this survey.

1. There is an extraordinary lack of uniformity among the States, both in the methods of motor-vehicle taxation and in the magnitudes of the rates charged. The greatest variation was found in the bases on which registration fees were charged, including gross weight, net weight, chassis weight, capacity, horsepower, value, and various combinations of these factors. The general adoption of a common basis for registration fees is desirable. TABLE 2.—Average payments, in 1932, of registration fees, gasoline taxes, and all fees and taxes, by vehicles of different rated capacities

PUBLIC-CARRIER BUSSES

Rated capacity	Registra- tion fees ¹	Gasoline taxes	All fees and taxes ²
Passengers: 7 or less 8 to 20	\$25. 84 57. 39	\$52, 50 123, 13	\$104.77 234.50
Over 20	99.20	170.26	329.98

ALL TRUCKS AND TRACTOR TRUCKS

Tons: 1½ and less Over 1½ and less than 3 3 and less than 5 5	\$15. 51 38. 21 67. 33 97. 57	\$36.16 46.33 59.89 68.10	\$51.85 85.92 130.40 168.49
Over 5	113.89	81.12	199.60

ALL TRAILERS AND SEMITRAILERS

Tons: 1½ and less Over 1½ and less than 3 3 and less than 5. 5. Over 5.
--

 1 Excess registration fees paid by for-hire carriers of property were included in the calculation of these averages. 2 Includes special fees.

2. The principle that registration fees should increase with the size of the vehicle, as measured by weight, carrying capacity, horsepower, or cost, is recognized in the laws of all States, the only exception being the District of Columbia, in which a uniform fee of \$1 is charged. There is great variety in the application of this principle; in some States the increase of registration fees with size is relatively moderate, while in a few the range is very wide, registration fees in excess of \$1,000 being charged against the heaviest vehicles.

3. There is a noticeable tendency for the taxation imposed on motor vehicles to be relatively high in those States in which the intensity of motor-vehicle ownership is low, as indicated by a relatively large number of persons per vehicle. This condition was particularly noted in the Southern States, where the mileage of roads to be improved and maintained is very large in relation to the number of motor vehicles registered.

4. The imposition of unusually high registration fees on heavy vehicles, particularly trucks, in a few States, combined with high gasoline taxes, has apparently discouraged the registration of such vehicles, with the result that the high rates were productive of little revenue in 1932.

5. Comparison of the number of heavy trucks registered in certain States with the existing mileage of high-type roads and particularly of portland cement concrete roads, in the same States, leads to the conclusion that such roads have been built primarily in response to the demands of traffic in general, rather than specifically to support heavy loads.

6. Approximately 9 percent of the revenues derived from State motor-vehicle and gasoline taxes in 1932 were diverted to uses not related to roads and streets. The principal items of diversion included payments to general funds, \$39,652,339; unemployment relief, \$19,546,456; and schools, \$14,522,113.

7. Fees and taxes imposed on motor vehicles by counties in 1932 were negligible in comparison with those imposed by other jurisdictions, the total reported being less than \$2,000,000. Such taxes were found in only 5 States. Fees imposed by municipalities were found in 39 States, and the total amount reported was over \$14,000,000.

8. Personal-property taxes were imposed on motor vehicles by either State, county, or local authorities in 31 States and the District of Columbia, the estimated collections being in the neighborhood of \$36,000,000. Because of difficulties in assessment and collection the personal-property tax as ordinarily administered is not effectively applied to motor vehicles. Five States and the District of Columbia require that evidence of tax payment be presented before licenses are issued to vehicle owners, thus insuring full collection for all registered vehicles. Seventeen States, containing 46 percent of all registrations, exempted motor vehicles from taxation as personal property.

1933 REGISTRATIONS AND PAYMENTS COMPARED WITH THOSE OF

In table 3 a comparison is made between the payments by motor vehicles in 1932, as given by the survey (plus certain other items) and the data on State motor-vehicle and gasoline taxes for 1933, given in the annual tables published by the Bureau,² together with the 1933 payments of Federal excise taxes relating to motor vehicles. No data were obtained on payments in 1933 of county and municipal fees and taxes, personal-property taxes or public bridge tolls, and for this reason no total is given for 1933.

The data for the 2 years are not comparable in all respects because of differences in the manner of reporting; for example, eight States reported busses with trucks in 1933. In order to make the comparison as close as possible, certain modifications have been made in the manner of presenting the 1932 data. ln the 1933 table special fees paid in lieu of registration fees in California, Maryland, and South Carolina were tabulated as registration fees. To conform with this procedure, similar payments in 1932 have been deducted from special fees and added to registration fees, the States concerned being those given above and West Virginia. Certain items have been added which were omitted from the 1932 survey totals because they were not regarded as direct taxes imposed on motor-vehicle owners. These include dealers' licenses, certain miscellaneous receipts of the motor-vehicle departments, including fines and penalties in a number of States, and miscellaneous receipts connected with the administration of the gasoline-tax laws. These additions were made in order that the tabulation for 1932 should conform with the published data for 1933.

In comparing vehicle registrations in the 2 years, we find that there was a small decrease in the total number registered, the greatest change being in passenger vehicles. Trailers show a considerable increase. Similar changes occurred in payments of registration fees, although motorcycles show an increase in registrations and a decrease in payments. There was a reduction of 0.9 percent in total registrations and of 8.0 percent in total payments of registration fees.

The relatively large decrease in payments of registration fees was caused by changes in the rates charged.

TABLE 3.—Comparison of motor-vehicle tax payments in 1932 and

Item	1932	1933	Increase or decrease in 1933
Vehicles registered: Passenger vehicles ¹ Trucks and tractor trucks Trailers and semitrailers Motorcycles	20,885,8143,229,315415,27689,197	20, 600, 543 ² 3, 226, 747 472, 789 91, 987	-285, 271 -2, 568 +57, 513 +2, 790
All vehicles	24, 619, 602	24, 392, 066	-227, 536
Registration fees: ³ Passenger vehicles ¹ Trucks and tractor trucks Trailers and semitrailers Motorcycles	\$218, 907, 499 71, 444, 038 3, 682, 872 326, 889	\$195, 841, 695 ² 70, 298, 260 4, 298, 007 320, 853	-\$23,065,804 -1,145,778 +615,135 -6,036
All vehicles	$\begin{array}{c} 294,361,298\\ 4,058,671\\ 18,280,802\\ 4,340,239 \end{array}$	$\begin{array}{c} 270,758,815\\ 5,398,154\\ 18,075,282\\ 3,507,984 \end{array}$	$\begin{array}{r} -23, 602, 483 \\ +1, 339, 483 \\ -205, 520 \\ -832, 255 \end{array}$
Dealers' licenses and plates ⁵ Miscellaneous fees: Included in 1932 survey. Not included in 1932 survey	1, 913, 977 4, 742, 729 3, 020, 457	1, 596, 647 } 8, 755, 337	-317, 330 +992, 151
State gasoline taxes 6	514, 138, 900	519, 403, 450	+5, 264, 550
All State fees and taxes County fees and taxes (incomplete) Municipal fees and taxes (incomplete)	844, 857, 073 1, 703, 455 14, 157, 822	827, 495, 669	-17, 361, 404
Personal-property taxes (estimated) Federal excise taxes ⁷ Public-bridge and ferry tolls (incomplete).	35,880,000 92,377,998 18,199,424	244, 825, 000	+152, 447, 002
All fees and taxes	1,007,175,772		+135, 085, 598

 Includes private passenger cars, taxicabs and other cars for hire, and busses.
 Busses registered with trucks in eight States.
 Includes special fees (receipts taxes, ton-mile taxes, and passenger-mile taxes) paid by common-carrier trucks and trailers and public-carrier busses in lieu of registration fees. Amounts: In 1932, \$1,172,121 paid in California, Maryland, South Carolina, and West Virginia; in 1933, \$1,033,931 paid in California, Maryland, and South Carolina Carolina.

Caronna.
 ⁴ Special taxes paid in lieu of registration fees deducted. The 1933 figures are incomplete, as a number of States imposing special taxes failed to report them.
 ⁵ Not included in 1932 survey total.
 ⁶ Includes item "other receipts under tax law", \$1,091,661 in 1932, and \$1,207,738 in

Therefore in other receipts under tax taw, 34,091,001 In 1952, and 31,207,788 In 1933. This item was not included in the 1932 survey total.
 ⁷ Includes Federal excise taxes on gasoline, lubricating oil, tires and inner tubes, automobiles, motorcycles and trucks, and parts and accessories. Deductions made to allow for nonmotor-vehicle use of gasoline and oil.

Drastic reductions in the rates of registration fees wer made in Arkansas, Georgia, Kansas, Minnesota, Nebraska, and South Dakota, and moderate reductions in a number of other States.

There was an increase in the payments of special fees by commercial carriers. This was caused partly by increased revenues from existing taxes and partly by the fact that the number of States regulating and taxing for-hire operations was increased, Maine and New Hampshire having enacted laws effective in 1933. There were also changes in existing laws and taxes relative to such operations in a few States.

The collections of Federal excise taxes on motor vehicles were much greater in 1933 than in 1932. The taxes were in effect only for slightly more than 6 months in 1932; and the tax on gasoline was increased from 1 cent to 1½ cents per gallon, effective June 17, 1933, reverting to 1 cent on January 1, 1934.

It has been pointed out that the reported figures for county and municipal taxes on motor vehicles in 1932 and for public-bridge tolls are incomplete, while that for personal-property taxes is an approximation believed to be nearly correct. There is no reason to believe that there was a decrease in these items for which no data were obtained in 1933. If we assume for the purpose of comparison that they were the same in both years, we find that the payments of motorvehicle taxes in 1933 exceeded those of 1932 by more than \$135,000,000.

 $^{^2}$ Table G-1, State Gasoline Taxes, 1933, was published in PUBLIC ROADS, vol 15, no. 5, July 1934, and tables MV-1 and MV-2, giving State motor-vehicle registrations and fees were published in PUBLIC ROADS, vol. 15, no. 7, September 1934.

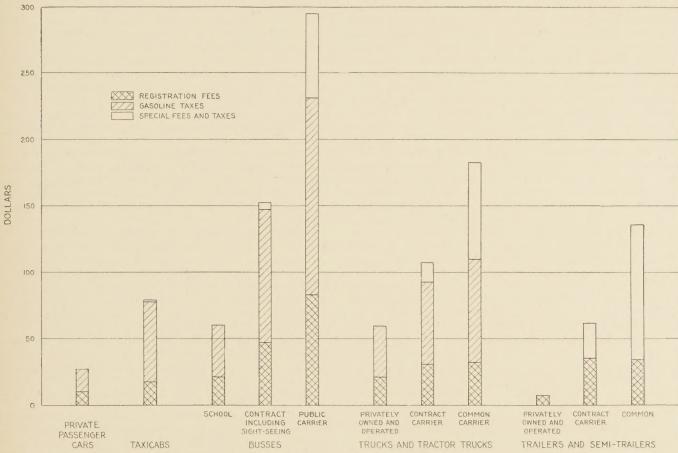
STATE FEES AND TAXES

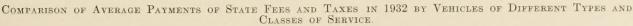
METHOD OF ANALYSIS DESCRIBED

The diverse character of the reports submitted for the 48 States and the District of Columbia imposed a difficult problem of analysis. The object was to reduce all the reports to a uniform basis, in order to obtain comparable figures for each State and to assemble the data in the form of national statistics for different types, classes, and sizes of vehicles. In order to do this it was necessary to make use of certain systematic approximations. The methods used are discussed in detail in the complete report and can only be described briefly here.

Uniform classification of registrations and fees.—The first of these approximations was occasioned by the necessity of tabulating vehicles of different sizes according to a uniform scheme. It was decided that rated

In the case of those States which reported vehicles by gross, net, or chassis weight, it was necessary to make conversions into equivalent rated capacity. There is, of course, a considerable range in the net weights of trucks of a given capacity, and also in the gross loads for which, under a given law, they may be taxed. The effort was made, by a study of existing records and by consultation with representatives of the industry, to develop relations between weight and capacity which would represent average conditions, and would, therefore, give a reasonably accurate distribution of vehicles by capacity in those States which reported a weight classification. As an example, the conversion table developed for trucks is given in condensed form in table 4





capacity rather than gross or net weight should be the basis of classification. For busses the following grouping by passenger-seating capacity was adopted:

> 7 or less 8 to 20 Over 20

Trucks, tractor trucks and trailers and semitrailers were arranged in the following groups according to rated capacity in tons:

> 1½ or less Over 1½ and less than 3 3 and less than 5 5 Over 5

A considerable number of the States which reported trucks and trailers according to rated capacity listed them by ton or half-ton groups, or otherwise in such a manner that both the numbers registered and the fees paid could be assembled in the five capacity groups or "brackets" adopted as the basis of classification. Others, however, reported capacity groups which were inconsistent with the chosen scheme. To take care of these cases it was necessary to devise methods of breaking down and rearranging both numbers registered and fees paid. The methods used in grouping the numbers registered were based on certain general relations between the numbers of vehicles of each tonnage, or of each capacity group, determined by analysis of the data for those States which reported trucks and TABLE 4.—Approximate relations between manufacturers' rated capacity, chassis weight, net weight, and gross laden weight of trucks

	Net v	0	
Manufacturers' rated capacity	Chassis	Chassis and	Gross
(tons)	only	body	weight
	Pounds	Pounds	Pounds
	3,000	4,000	6,000
	4,000	5,600	9,600
	6,000	8,200	14,200
	7,600	10,000	18,000
	9,000	11,680	21,680
	12,000	15,200	- 29,200
	14,000	18,000	38,000

¹ Condensed from full table given in complete report.

trailers by separate tonnages or by capacity groups consistent with those adopted.

In apportioning the fees paid it was necessary to adopt a method consistent with the scheme of rates imposed by the State. In the case of those States where a flat fee was charged each of the tonnage groups separately reported, it was only necessary to make the break-down of fees proportional to the break-down of registrations. In the case of those States which imposed registration fees directly proportional to the weight of the vehicle, it was necessary to take account of this variation in the breakdown of fees.

In the work of arranging vehicles and their fees in uniform classifications two rigid requirements were set: (1) The resulting distribution must be entirely consistent with the original data; (2) the distribution must also, within the limits set by the first requirement, be a reasonable or plausible one, conforming as closely as possible to the national trends. In most States there was surprisingly little room for guesswork if both these requirements were to be fulfilled.

Little difficulty was experienced in arranging busses by passenger capacity; conversions from weight groupings were necessary only in a few States.

Estimate of motor-fuel tax payments.-Any attempt to investigate the payments of fees and taxes by different classes and sizes of motor vehicles would be very incomplete without some sort of estimate of the distribution of gasoline tax payments among the several groups. It was decided, therefore, to make certain assumptions regarding the annual mileage traveled and the rate of fuel consumption for each type of vehicle, class of service, and capacity group. The table "State Gasoline Taxes-1932", published by the Bureau, gives for each State the net tax earning and also the total gallons taxed. The procedure adopted was to compute, for each State, the total gallons consumed by all vehicles registered and tax-paid in each type, class, and capacity group, according to the assumptions made regarding annual mileage and rate of fuel consumption. The total gallonage thus obtained was then corrected by a factor to equal the taxed gallonage reported by that State, and the same factor was applied to all the individual items of gallonage. The corrected items were then multiplied by the tax rate to estimate the amounts paid by each type, class, and capacity group, the summation of these amounts equaling the total gasoline-tax earnings in that State in 1932.

The assumptions made regarding average annual mileage and average rates of gasoline consumption are given in table 5. It is not to be supposed that these assumed values are arbitrary. They were arrived at as a result of a study of available data on the subject, and will be fully discussed in the complete report. The fact that, for each State, the computed gallonages assumed: for tractor trucks, 20,000 miles.

were adjusted so as to add up to the total taxed gallonage tends to make the individual State figures more nearly correct than the assumed average values.

Allocation of special fees.—In every State but one, payments of registration fees were listed in the same detail as were the numbers of vehicles registered. Such was not the case with the special fees paid by for-hire carriers. Although many of the States listed such payments in detail by weight or capacity groups, there were a considerable number which reported only totals for a given group of vehicles, such as common-carrier trucks or public-carrier busses, and a few which listed their special fees in even less detail. In order to give as complete a picture as possible of the payments by vehicles in each capacity group, it was decided to allocate payments of special fees in all cases where a reasonable basis could be found for making such a distribution.

In general, ton-mile taxes were allocated in proportion to the rated capacities of the vehicles concerned; this procedure is in line with the assumption of the same average annual mileage for all trucks in a given class of service, regardless of capacity. Similarly, passenger-mile taxes were allocated in proportion to seating capacity, with the exception that busses of seven passengers or less were given a weighting of 0.8, to allow for their assumed annual mileage of 20,000 as compared with 25,000 for busses of more than 7-passenger capacity.

A number of States impose taxes on the basis of miles traveled, the rate generally increasing with the carrying capacity. In most of these cases the amounts paid were given in detail; where totals only were given, the allocations were made in proportion to the numbers of vehicles and the rates per mile.

Receipts taxes were also allocated in proportion to carrying capacity. The reason for this procedure is not so plain as it is in the case of ton-mile or passengermile taxes. However, if annual mileage is assumed to be independent of capacity, then gross tonnage hauled may be taken as proportional to capacity; and, in the absence of data to the contrary, gross receipts may in turn be assumed proportional to gross tonnage.

States which imposed privilege taxes or franchise fees on a weight or capacity basis generally gave the receipts from such imposts in detail. Miscellaneous fees yielding small returns, such as fees for certificates of necessity, permit fees, application fees, etc., were

TABLE 5.—Constants used in the computation of estimated consumption of motor fuel by motor vehicles of different types, classes of service, and rated capacities

Type of vehicle and class of service	Rated capacity	Assumed rate of consump- tion of motor fuel	Assumed average annual travel	Annual consump- tion per vehicle
Passenger cars Taxicabs Motorcycles	Passengers	Miles per gallon 14.0 14.0 35.5	Miles 7,000 25,000 7,000	Gallons 500 1, 786 197
Busses: School	[7 or less [8 to 20, inclusive Over 20. [7 or less	$14.0 \\ 10.0 \\ 6.9 \\ 14.0 \\ 8.0$	<pre>} 10,000 20,000 25,000</pre>	$\begin{cases} 714 \\ 1,000 \\ 1,456 \\ 1,429 \\ 3,128 \end{cases}$
Trucks	Tons 1½ and less Over 1½ and less than 3 3 and less than 5 0.ver 5	6.0	25,000	$ \begin{cases} 973 \\ 1,315 \\ 1,658 \\ 2,024 \\ 2,481 \end{cases} $

generally allocated in proportion to the numbers of field tractor trucks belonged to the capacity group, over $1\frac{1}{2}$ and less than 3 tons. In all tabulations by

The foregoing discussion of the methods used in analyzing and compiling the State data brings out the fact that the original reports, as submitted by the Bureau's statistician in each State, have been considerably modified in order that the material in them might be presented in a conventionalized form. All tabulations based on these modifications must be recognized as derived data. The primary data will be published in the complete report, and the opportunity will exist for any investigator to make use of any portion of the original data and obtain his own results, with the aid of such additional material as may be available. A special study of the conditions in any given State would, no doubt, make it possible to determine more accurately the payments made by vehicles of different classes and sizes in that State. It is believed, however, that the material as given presents a reasonable and accurate picture of motor-vehicle taxation in the United States in 1932, and that the figures for the individual States are as near the truth as could be obtained without extension of the Bureau's investigation beyond practicable limits.

The method of analysis described in the preceding paragraphs resulted in a complete table for each State, giving, so far as the original data permitted, the number of registered vehicles of each type, class, and capacity group, and the corresponding payments of registration fees, gasoline taxes, and special fees and taxes, according to the systematic scheme which was adopted. From these State tables national totals, averages, and percentages, such as are given in tables 1 and 2, were computed. More detailed presentation of the national figures is given in the following pages, in which payments by the major types and classes of vehicles are taken up in turn.

It is impossible to give the detailed figures for the individual States in this short digest. However, tables 13, 14, 15, and 16 appearing at the end of the section dealing with State taxes, give for each State the essential data regarding registrations and payments of registration fees, special fees and taxes, and miscellaneous fees. These tables give information for each type of vehicle and class of service, but do not give a break-down by capacity groups.

ITEMS NOT CLASSIFIED OR ALLOCATED

The effort to reduce all data reported by the States to a uniform classification was not entirely successful. In a number of States there were items which could not by any reasonable approximation be made to fit into the general scheme. Since these items continually appear in different steps of the analysis it is thought best to discuss them at this point.

Vehicles not classified by capacity.—In cases where the bulk of vehicles in a given group were classified by weight or capacity, but a small remainder were given without classification, the practice was adopted of making an approximate distribution of the unclassified vehicles, generally in proportion to those classified.

There were, however, some cases where an entire group of vehicles was unclassified. Under these circumstances there was no reasonable basis for assuming a distribution by capacity. In order to account for the gasoline consumed and the gasoline taxes paid by vehicles not classified, estimates were made on the assumption that unclassified busses belonged to the capacity group, 8 to 20 passengers, and that unclassi-

fied tractor trucks belonged to the capacity group, over 1½ and less than 3 tons. In all tabulations by capacity, however, unclassified vehicles are listed separately.

The total number of these unclassified vehicles was 35,608 or 0.14 percent of all vehicles registered and tax-paid. The total payments involved, including estimated payments of gasoline taxes, were \$1,440,896, or 0.17 percent of all State fees and taxes.

For-hire trucks not segregated from private carriers.—In a few States the numbers and registration fees of contract or common carriers, or both, were tabulated with those of private carriers, although the numbers of such for-hire carriers were also listed separately, with their payments of special fees. In most cases it was possible, by computing average fees, to approximate the payments of registration fees by the for-hire carriers, and tabulate them separately in the proper capacity groups. Exceptions occurred, however, with respect to 297 contract-carrier trucks in Montana, 647 contractcarrier trucks in Oklahoma, and 172 contract-carrier and 2,098 common-carrier trucks in South Dakota. These trucks were not classified by weight or capacity, although the totals of all trucks in these States (in which these for-hire carriers were included) were so classified. It would have been possible to assume a capacity distribution for these vehicles, but it was believed that such a degree of approximation was unwarranted. Without such a distribution it was impossible to segregate these trucks from the classified lists of trucks in which they were included. The special fees paid by these "unsegregated" vehicles included \$80,701 paid by contract carriers in Montana, Oklahoma, and South Dakota, and \$36,971 paid by common carriers in South Dakota. The method of handling these items in the compilation of national totals and averages is shown in footnote 9 of table 1.

A similar situation, even more difficult to deal with, occurred in the case of Tennessee. In this State it was reported that there were 397 for-hire carriers of property, including trucks, tractor trucks, trailers, and semitrailers, under the jurisdiction of the Railroad and Public Utilities Commission. Fees paid by these vehicles were reported as follows:

Registration fees	\$21, 199
Mileage tax	17,383
Inspection fees	1,695

These vehicles and their payments of registration fees and mileage taxes were included in the tabulations of trucks, tractor trucks, and trailers and semitrailers without regard to class of service. The inspection fee was reported as applying to these vehicles only. However, since they could not be classified either by type or by capacity, there was no way of segregating them from private carriers. Their payments of special fees are included with the "undistributed fees", which are discussed in the next section.

Undistributed fees.—In addition to the items described in the preceding paragraphs, fees were reported in a number of States which could not be allocated to any given numbers or groups of vehicles in the conventional scheme of classification. The total amount of money involved was \$851,993, of which \$11,536 consisted of registration fees and \$840,457 of special fees and taxes paid by commercial carriers.

The nature of these unallocated items will be made clear by a few illustrations. In Kansas a ton-mile tax was imposed on for-hire carriers of persons and property

and certain classes of private carriers. The receipts from this tax in 1932, \$186,153, were reported in a lump sum, and no reasonable basis could be found for allocating this sum among the several classes of freight and passenger carriers. Similarly, in Pennsylvania, a receipts tax on for-hire carriers of persons and property, yielding \$33,946, was not allocated. In Wisconsin contract carriers of property were not reported separately from those privately owned and operated, although the former (and certain private carriers as well) were required to pay a ton-mile tax and certain permit fees. These payments, amounting to \$246,888, could not be assigned to any specific group of vehicles, and were therefore carried as "undistributed". In this same State, and in Ohio and Iowa, fees paid by outof-State vehicles could not be allocated among vehicles of the State, although they were assigned to the proper classes in the national totals.

Of the \$840,457 in undistributed special fees, a total of \$278,151 was, in the national totals, allocated by class of service (but not by capacity). The remainder, \$562,306, is listed in table 1 as ''undistributed fees." The footnotes to table 15 give further information on these troublesome items.

REGISTRATIONS AND PAYMENTS BY PASSENGER CARS DISCUSSED

The total number of passenger automobiles reported in the 1932 survey was 20,836,362. This total includes 77,222 taxicabs and other for-hire cars reported separately from private passenger cars in 27 States and the District of Columbia. Twenty States failed to segregate taxicabs from private cars, and one State, Cali-The figure fornia, included them with light trucks. given for passenger cars in table 1-20,759,140includes for-hire cars in these 20 States. It also includes ambulances and hearses in a number of States which reported such vehicles separately. Similarly snowmobiles, reported by a few States, were included with passenger cars. Publicly owned vehicles are not included, except in the case of a few States which failed, wholly or in part, to segregate such vehicles from those paying regular registration fees.

Total and average payments by passenger cars were as follows:

Registration fees:	
Total payments	\$213, 357, 330
Average per vehicle	10. 28
Gasoline taxes:	
Total payments	375,082,015
Average per vehicle	18.07
All fees and taxes:	
Total payments	
Average per vehicle	28.35

The registration fees imposed on passenger cars varied with the size of vehicle in all but three States, California and Washington, in which a fee of \$3 was charged, and Arizona, in which the rate was \$3.50. In the District of Columbia a \$1 fee is charged against all gasoline-driven automobiles. Weight was the most common measure of size, 30 States using it as the basis of fee, either alone or in combination with other factors. Horsepower was used as a basis in 18 States and value or list price in three.

Average payments of registration fees ranged from \$1 in the District of Columbia to \$21.45 in Vermont. Among the low States were Washington, with \$2.94; California, with \$3.02; Arizona, with \$3.50; Massachusetts, with \$3.58; and Colorado, with \$4.94. States which exacted relatively high fees from their passenger cars were Oregon, in which the average payment was

\$21; Arkansas, with \$19; Connecticut, with \$17; and Florida, with \$16. Clustered about the average were New Jersey, Kansas, Pennsylvania, Wyoming, and North Dakota, all charging averages of \$10 and \$11.

The method of estimating gasoline-tax payments has been described (see p. 190). Differences among the States in the estimated average payments are dependent on differences in the gasoline-tax rates and the average per-vehicle consumption of gasoline. The range in gasoline-tax payments, as computed, extended from \$9.77 in the District of Columbia to \$44 in Florida. North Dakota was the lowest in gasoline-tax payments other than the District of Columbia, with an average for passenger cars of \$10.32. Among the high States were Tennessee, with \$36; Georgia, with \$35; Arkansas, with \$32; and South Carolina, with \$32. In Tennessee and Florida the rate is 7 cents per gallon; in the others mentioned as high States the rate is 6 cents.

In total payments the District of Columbia, with a \$1 registration fee and a gasoline-tax rate of 2 cents per gallon, is naturally the minimum with an average payment of \$10.77. California comes next, with \$19. The largest payments were found in Florida, \$60; Arkansas, \$50; Georgia, \$48; and Tennessee, \$47. New York, Connecticut, Arizona, and Texas were within \$1 of the national average of \$28.35.

TAXICAB PAYMENTS GENERALLY HIGHER THAN THOSE FOR PRIVATE PASSENGER VEHICLES

Nearly all of the 27 States which reported taxicabs charged heavier registration fees against them than against private passenger cars. In Colorado, Georgia, Maryland, Nevada, Oregon, Vermont, and the District of Columbia, the rates were the same as for private cars. In all except Maryland and the District of Columbia, however, the average payments by taxicabs exceeded those of private cars.

The total and average fees paid by the 77,222 taxicabs reported separately were as follows:

Registration fees:	
Total payments	
Average per vehicle	17.72
Gasoline taxes:	
Total payments	4, 682, 742.00
Average per vehicle	60. 64
Special fees	
All fees and taxes:	
Total payments	6, 168, 887.00
Average per vehicle	79.89

The average for special fees is not given, as they were imposed in only a few States.

After the District of Columbia, Colorado charged the minimum registration fees, with an average of \$5.13 for taxicabs, Maryland following with \$7.36. The maximum occurred in West Virginia, in which the average payment was \$59. In North Carolina it was \$55 and in Connecticut, \$46.

Average payments of all fees and taxes by taxicabs ranged from \$50 in the District of Columbia to \$200 in Florida. Among the low States were North Dakota, with \$59, and New Jersey and New York, with \$70.

Gasoline-tax payments by taxicabs were estimated on the basis of an average annual mileage of 25,000 miles. (See table 5.) There is no point in discussing these payments, as they are proportional to the payments reported for passenger cars in the States represented.

Special fees and taxes paid by taxicabs or other cars for hire were reported in six States and the District of Columbia, the total payments amounting to \$117,997.

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These special taxes included a receipts tax in Arizona, an occupation tax on U-Drive-It systems in Georgia, special-license taxes in Nevada, Oregon, and the District of Columbia, fees for certificates of convenience and necessity in North Dakota, and a privilege tax in Tennessee. Details of the payments are given in the first two columns of figures in table 15. Taxicabs also participated in the payment of the receipts tax in Pennsylvania, previously mentioned, but their payments could not be segregated from those of other vehicles.

BUSSES REPORTED IN THREE CLASSES

In the instructions to the statisticians who collected the data on State motor-vehicle taxes, it was requested that busses be reported in three classes—(1) school and private busses, (2) sight-seeing and other contractcarrier busses, and (3) public-carrier busses. All of the 16 States which reported tax-paid busses in the first class described them as school busses. It is to be inferred that privately owned and operated busses such as those owned by factories, real-estate developers, and various private institutions, were reported with other registration classifications.

Nine States reported busses in all three classes. Seven States reported tax-paid school busses, but did not segregate sight-seeing or contract-carrier busses from other classes of vehicles. Ten States and the District of Columbia reported busses in the contractsight-seeing class, but did not report tax-paid school busses. The remaining States failed to report any tax-paid school busses or to segregate sight-seeing and contract-carrier busses from other registration classifications. Commercially operated busses, either public carriers or a combination of public and contract carriers, were reported in all the States.

The numbers of busses reported in the three classifications in the 1932 survey were as follows:

School busses	9,813
Contract-carrier busses, including sight-seeing	3,314
Public-carrier busses	36, 325

Total_____ 49, 452

It should be remembered that only tax-paid school busses are included in the survey total. No attempt was made to obtain an accurate count of publicly owned or tax-exempt school busses. Approximately 12,700 publicly owned busses were reported by the States. It was apparent, however, that the reporting of publicly owned and tax-exempt vehicles was very incomplete. Other sources ³ indicate that the number of school busses in operation in 1932 was between 60,000 and 70,000.

The number of busses reported as engaged in commercial operations (sight-seeing, contract, and publiccarrier) was 39,639. In a number of States, including Georgia, Mississippi, Ohio, South Carolina, Texas, and possibly others, busses operating in cities were not reported separately or as public carriers, but were included in other classifications, particularly passenger cars and trucks. The figure given by Bus Transportation³ for commercial or "revenue" busses was 42,348. City busses were given separately in this tabulation; and in the five States mentioned above 1,518 city busses were reported. The agreement between the two surveys appears sufficiently close when it is remembered that the Bus Transportation figures were

obtained very largely from operating companies, while those obtained in this survey were taken from State records, which frequently do not separate all vehicles operating as busses from other classifications.

BUS REGISTRATION RATES VARIED WIDELY

In the 16 States which reported tax-paid school busses, they were commonly registered according to weight or capacity, although in several States flat fees were charged, ranging from \$2 per vehicle in Massachusetts to \$75 per vehicle in West Virginia. In general, sightseeing and contract-carrier busses were registered at considerably higher rates than school busses and not infrequently the fees corresponded to those paid by public-carrier busses.

In all States (the District of Columbia excepted) the registration fees imposed on public-carrier busses were graduated to increase with the size of the vehicle. Weight, either alone or in combination with other factors, was a common basis of registration, 9 States reporting a gross-weight and 15 a net-weight basis. Seating capacity appeared as a basis of registration fee in 27 States; in 10 of these capacity alone was the basis, while in the remainder it was used in combination with other factors.

There was great variety in the rates of fees imposed, even in those States in which registration fees were based on the same factors. In the seven States which used gross weight as a single basis of taxation, the minimum rate reported was that in Nevada, 30 cents per 100 pounds. In Vermont the rate was \$1 per 100 pounds, and in Delaware, 40 cents. In New Hampshire, Illinois, Wisconsin, and Texas the rate itself varied with the weight; the highest rate reported was \$4 per 100 pounds, charged in Texas against busses having a gross weight of more than 28,000 pounds.

In the six States basing registration fees on net weight alone, the fees varied from 50 cents to \$2.25 per 100 pounds, the latter rate being charged in Ohio for that portion of the weight of the vehicle in excess of 10,000 pounds.

Where capacity was the basis of registration fees, the rates charged varied so widely for busses of different sizes that a direct comparison of rates is not feasible. An example may be given, however. In the 10 States registering busses on the basis of capacity alone, 30passenger busses were required to pay registration fees varying from \$18 in Missouri to \$180 in Indiana.

SPECIAL FEES IMPORTANT FACTOR IN TAXATION OF BUSSES

In addition to registration fees the majority of States imposed some form of special tax on busses operated for hire, particularly public carriers. In four States the special tax was imposed in lieu of registration fees, a receipts tax in California and passenger-mile taxes in Maryland, West Virginia, and South Carolina.

Mileage, ton-mile, and passenger-mile taxes.—Taxes based on the operations of public-carrier busses were imposed in 19 States and the District of Columbia. Mileage taxes—i.e., those in which the charge is directly proportional to the miles traveled—were found in Alabama, Florida, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, Tennessee, and the District of Columbia. In all except New Jersey and the District of Columbia, the rate per mile increased with the seating capacity. In Florida, for example, the rate was ½ cent per mile for busses of 10 passengers or less, ¾ cent per mile for 11 to 20 passengers, and 1 cent

³ Bus transportation, February 1933, McGraw-Hill Publishing Co., Inc., New York City; and Circular No. 132, Office of Education, United States Department of the Interior, Consolidation of Schools and Transportation of Pupils, 1931-32, by David T. Blose.

for more than 20 passengers. In New Jersey the tax was levied against interstate busses only.

Taxes assessed at a constant rate against operations in terms of ton-miles or passenger-miles were found in 10 States. In Wyoming, Colorado, and Utah, the rates were based on the actual number of passengers carried times the actual miles each as carried. In Wyoming the rate was $\frac{1}{20}$ cent per passenger-mile; in Colorado, $\frac{1}{20}$ cent; and in Utah, $\frac{1}{4}$ cent on hard-surfaced roads and $\frac{1}{20}$ cent on other roads.

In all other States using this form of tax the rate was based either on passenger capacity or on the gross weight of vehicle, plus capacity load, allowing 150 pounds per passenger. The former basis was used in Maryland, Oregon, South Carolina, and West Virginia; the latter in Iowa, Kansas, and Wisconsin. The rates per passenger seat-mile varied from as low as $\frac{1}{50}$ cent in South Carolina to $\frac{1}{5}$ cent in West Virginia. The rate per ton-mile in Iowa was $\frac{1}{4}$ cent; in Kansas, $\frac{1}{20}$ cent; and in Wisconsin $\frac{1}{50}$ cent.

Mileage taxes were imposed on contract and sightseeing busses in Florida and Oklahoma, and in Utah such vehicles participated in the payment of the passenger-mile tax.

Receipts taxes.—Ten States—Arizona, Arkansas, California, Connecticut, Idaho, North Carolina, Pennsylvania, South Dakota, Virginia, and Washington—imposed fees in the form of a percentage tax on the revenues derived from the operations of public-carrier busses within the State. The receipts tax was imposed in addition to the registration fee in all these States except California, where the tax was in lieu of registration fees, and North Carolina, where the registration fee was credited on the amount collectible in receipts taxes. The rates varied from eight-tenths of 1 percent in Pennsylvania to 6 percent in North Carolina.

Other special fees.—Special fees other than receipts taxes and those based on mileage were reported by 17 States in the case of public-carrier busses and by 3 States and the District of Columbia in the case of sight-seeing or contract-carrier busses. Although imposed under various names, such fees may be roughly divided into three classes.

Most numerous were fees required for the issuance of certificates of convenience and necessity, or for equivalent permits to operate, which were imposed in Alabama, Georgia, Kentucky, Minnesota, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Wisconsin, and Wyoming. Certificate fees are usually nominal flat fees which are paid when the certificate is applied for, and are not generally assessed annually. As ordinarily issued, the certificate empowers a company to operate over a specified route or routes, and the fee is independent of the number of vehicles to be operated.

A second class of fees were those charged for permits to operate, at a flat rate per vehicle. Such fees were charged against public-carrier busses in Georgia, Montana, and Wisconsin, the rates being \$25, \$10, and \$40, respectively. Sight-seeing busses in the District of Columbia paid a \$100 fee.

A number of States imposed, under various names, special-license taxes which varied with the weight or capacity of the vehicle, in much the same manner as registration fees. Such fees were imposed on publiccarrier busses in Michigan, Nevada, Ohio, Tennessee, and Texas; and on contract and sight-seeing busses in Oklahoma and Oregon.

City busses.—In a number of States a distinction was made between busses operated exclusively or cus-

tomarily in urban service only, and those operating on the rural roads. Thus, in New York, city busses, termed "special-franchise" busses, paid registration fees at a flat rate of \$10 each, while interurban busses paid fees ranging from \$30.50 for those seating 8 to 10 passengers, to \$67.50 plus \$2 for each seat over 30 for those seating 31 passengers or more. The receipts tax in North Carolina was imposed only on interurban busses; in lieu of this tax city busses were charged heavier registration fees than the interurban busses. In Georgia city busses were exempted from the payment of certificate fees, permit fees, and mileage taxes imposed on interurban public carriers, but were required to pay an occupation tax. Similar exemptions or separate provisions for city busses were found in South Carolina, Ohio, Wisconsin, Kansas, Kentucky, Tennessee, Mississippi, Texas, New Mexico, and Oregon.

BUS PAYMENTS DISCUSSED

A total of \$211,633 was paid in registration fees by the 9,813 tax-paid school busses. Estimated payments of gasoline taxes were \$384,393. Average payments of registration fees ranged from a rate of \$2 in Massachusetts to an average of \$128, paid by school busses carrying over 20 passengers in Oregon. In some States publicly owned school busses were charged nominal fees, varying from 25 cents to \$1. In most States the fees were graduated according to seating capacity or weight. Average payments by the three capacity groups were as follows:

7 passengers or less:	
Registration fees	\$10.63
Gasoline taxes	22.14
All fees and taxes	32.77
8 to 20 passengers:	
Registration fees	24.85
Gasoline taxes	35.96
All fees and taxes	60. 81
Over 20 passengers:	
Registration fees	62.77
Gasoline taxes	48.77
All fees and taxes	111.54

In table 6 is given a summary, by capacity groups, of the registrations, total payments, and average payments of contract and public-carrier busses. Associated with each class of fee is the number of vehicles in each capacity group concerned in the payment of such fees. Special fees are divided into three classes, (1) mileage, ton-mile, and passenger-mile taxes, (2) receipts taxes, and (3) other special fees. This latter class includes franchise, privilege or special license taxes, permit fees, and fees for certificates of convenience and necessity.

In table 6 all the averages are based on the number of vehicles involved in the payments tabulated. In certain cases, covered by footnotes, the total number of vehicles involved is not known, and the average is omitted. It may be observed that certain of the averages computed in this manner differ from those given in table 1, which are based on all the vehicles registered in a given class or group. For example, the average payment of registration fees by public-carrier busses, based on the total of 36,325 public-carrier busses registered, was \$84; based on the 33,246 busses which actually paid registration fees, the average is \$92. Average gasoline-tax payments and the averages of all fees and taxes are, of course, the same in all tables.

The payments by busses in individual States are given in tables 14 and 15. Average payments of

TABLE 6.—State taxes imposed on contract- and public-carrier busses in 1932; national totals and averages

	Number	Estimated) of motor-fu		R	egistration fe	es	Registra	tion fees and fuel taxes	motor-	Mileage, ton-mile or passenger- mile taxes				
Rated capacity	regis- tered	Amount	Average per vehicle	Number of vehicles	A mount collected	A verage per vehicle	Number of vehicles	Amount	A verage per vehicle	Number of vehicles	A mount collected	A verage per vehicle		
Passengers														
Contract, including sight-seeing: 7 or less. 8 to 20, inclusive Over 20	$1,862 \\ 477 \\ 490$	\$99, 113 65, 626 120, 136	\$53. 23 137. 58 245. 18	$1,862 \\ 477 \\ 490$	\$22, 077 18, 493 43, 197	$$11.86\ 38.77\ 88.16$	1, 862 477 490	\$121, 190 84, 119 163, 333	\$65.09 176.35 333.34	$\begin{array}{c} 61\\ 33\\ 26\end{array}$	\$1, 990 2, 530 4, 538	\$32.62 76.67 174.54		
Total classified Not classified by capacity ¹		284,875 46,908	100.70 96.72	2, 829 485	83, 767 73, 628	29. 61 151. 81	2, 829 485	368, 642 120, 536	130.31 248.53	120	9, 058	75.48		
Total	3, 314	331, 783	100.12	3, 314	157, 395	47.49	3, 314	489, 178	147.61	120	9, 058	75.48		
Public carrier: 7 or less. 8 to 20, inclusive	3, 630 7, 176 24, 873	190, 593 883, 604 4, 234, 921	52, 50 123, 13 170, 26	3, 348 6, 400 22, 958	93, 787 411, 815 2, 467, 390	$28.01 \\ 64.35 \\ 107.47$	3, 630 7, 176 24, 873	284, 380 1, 295, 419 6, 702, 311	$78.34 \\180.52 \\269.46$	1, 936 1, 533 2, 873	55, 472 224, 335 790, 380	$\begin{array}{c} 28.\ 65\\ 146.\ 34\\ 275.\ 11\end{array}$		
Total classified Not classified by capacity ¹ Undistributed fees ²	$35,679\\646$	5, 309, 118 73, 138	148. 80 113. 22	32, 706 540	$2,972,992 \\ 65,659 \\ 9,018$	90, 90 121, 59	35, 679 646	8, 282, 110 138, 797 9, 018	232. 13 214. 86	6,342 106	$1,070,187 \\ 28,896 \\ 154,648$	168.75 272.60		
Total	36, 325	5, 382, 256	148.17	33, 246	3, 047, 669	91.67	36, 325	8, 429, 925	232.07	\$ 6, 448	1, 253, 731			

Rated capacity	I	Receipts taxe	S		e fees, certifi ner miscellan s		A	All special fee	es	All fees and taxes			
Nated Capacity	Number of ve- hicles	Amount collected	A verage per ve- hicle	Number of ve- hicles	Amount collected	A verage per ve- hicle	Number of ve- hicles	Amount collected	A verage per ve- hicle	Number of ve- hicles	Amount	A verage per ve- hicle	
Passengers													
Contract, including sight-seeing: 7 or less. 8 to 20, inclusive Over 20				$192 \\ 24 \\ 51$	\$2, 525 780 5, 009	$$13.15\ 32.50\ 98.22$	225 52 72	\$4, 515 3, 310 9, 547	20.07 63.65 132.60	$1,862 \\ 477 \\ 490$	\$125, 705 87, 429 172, 880	\$67.51 183.29 352.82	
Total classified Not classified by capacity ¹				267	8, 314	31.14	349	17, 372	49.78	2, 829 485	386,014 120,536	$136.45 \\ 248.53$	
Total				267	8, 314	31.14	349	17, 372	49.78	3, 314	506, 550	152.85	
Public carrier: 7 or less	529 1, 150 2, 727	\$26, 005 116, 031 596, 853	\$49. 16 100. 90 218. 87	665 1, 584 2, 124	14, 479 47, 018 118, 184	21.77 29.68 55.64	2, 876 3, 646 7, 156	95, 956 387, 384 1, 505, 417	33. 36 106. 25 210. 37	3, 630 7, 176 24, 873	380, 336 1, 682, 803 8, 207, 728	104. 77 234. 50 329. 98	
Total classified Not classified by capacity ¹ Undistributed fees ²		738, 889	167.70	4, 373 540	$179, 681 \\ 64, 736 \\ 50, 179$	41. 09 119. 88	13, 678 646	1, 988, 757 93, 632 204, 827	145. 40 144. 94	35, 679 646	$\begin{array}{c} 10,270,867\\ 232,429\\ 213,845 \end{array}$	287. 80 359. 87	
Total	4, 406	738, 889	167.70	4 4, 913	294, 596		5 14, 324	2, 287, 216		36, 325	10, 717, 141	295.03	

See p. 191

See p. 191 and 192.
See pp. 191 and 192.
Does not include unknown number of busses in Tennessee paying mileage taxes of \$72,288, and unknown number of interstate busses paying mileage taxes of \$79,802 in New Jersey. These amounts are included in "Undistributed fees" on preceding line.
Does not include unknown number of busses in Tennessee paying privilege taxes of \$8,510 and inspection fees of \$10,263. These amounts are included in "Undistributed fees" on preceding line.
Bee footnotes 4 and 5.

registration fees by public-carrier busses varied from \$1 in the District of Columbia and \$11 in Montana to \$518 in Minnesota. Other States in which the payments were high were Wisconsin, with \$492; Florida, with \$255; and Idaho, with \$252.

Payments of special fees by public-carrier busses, not including items in Pennsylvania, Kansas, and New Mexico, which were not segregated from payments by other carriers, were \$2,287,216. Mileage, ton-mile, and passenger-mile taxes were the most lucrative, the revenues from this form of taxation totaling \$1,253,731. It is apparent that special taxes formed a significant part of the total payments by busses. In a few States the payments were very high. Payments of ton-mile taxes by public-carrier busses in Iowa averaged \$656 per vehicle; the mileage tax in Florida yielded \$242 per bus; the receipts tax in California (imposed in lieu of registration fees) produced an average payment of \$260.

In the payments of all fees and taxes, including registration fees, gasoline taxes, and special fees, the highest average was found in Iowa. Public-carrier busses in that State paid an average of \$932 per vehicle. This is an average for Iowa-licensed vehicles, payments by out-of-State vehicles having been eliminated from the computation. Other States in which the payments were high were Wisconsin, with \$828; Florida, with \$772; Minnesota, with \$638; and Tennessee, with \$540. Payments were relatively low in Montana, in which the average was \$112. Other States with low averages were Colorado, with \$114; North Dakota, with \$155; and the District of Columbia, with \$175.

The averages given above are for all busses in the States concerned, and their magnitudes are naturally affected by the relative numbers of light and heavy busses. That the scale of payments increased rapidly with the size of bus is evident from an inspection of table 6. A few examples will serve to point the fact more clearly. In Minnesota busses having capacity of more than 20 passengers paid in registration fees an average of \$564 per vehicle; in Wisconsin the average was \$543. Average payments of all fees and taxes by busses in this class in Minnesota were \$692; in Florida, \$861; in Wisconsin, \$901; in Iowa, \$1,212.

COMPARISON OF FEES REQUIRED FOR TYPICAL PUBLIC-CARRIER BUS OPERATION

In order to show the extremes of variation in tax payments required of public-carrier busses under comparable operating conditions, an example has been computed to show the State fees and taxes which would have been paid in 1932 by a 30-passenger bus operating 25,000 miles. The States selected for comparison were Rhode Island, New York, Florida, Michigan, and Oregon.

The net weight of the 30-passenger bus is taken as 10,700 pounds, and the gross weight, at 150 pounds per passenger, is 15,200 pounds. At an assumed rate of 5 miles per gallon of gasoline, the bus would consume 5,000 gallons per year. The rates of fees required in the 5 States are given in the following paragraphs.

Rhode Island: A registration fee of \$46 plus \$2 per passenger seat and a gasoline tax of 2 cents per gallon. New York: A registration fee of \$67.50 and a gasoline tax of

New York: A registration fee of \$67.50 and a gasoline tax of 2 cents from January 1 to February 29 and 3 cents beginning March 1, the average payment for the year being approximately 2.86 cents per gallon.

Florida: A registration fee of \$2 per 100 pounds net weight plus \$20 per passenger seat, a gasoline tax of 7 cents per gallon, and a car-mile tax of 1 cent per mile. Michigan: A registration fee of \$1.25 per 100 pounds net

Michigan: A registration fee of \$1.25 per 100 pounds net weight, a gasoline tax of 3 cents per gallon, and a public utility permit fee of \$1 per 100 pounds net weight. Oregon: A registration fee of \$1.10 per 100 pounds net weight,

Oregon: A registration fee of \$1.10 per 100 pounds net weight, a gasoline tax of 4 cents per gallon, and a passenger-mile tax of 0.5 mill per capacity seat-mile.

In the case of Florida, in which the required payments were the highest, the items making up the total are as follows:

Reg	istrat	ion	fe	ee	_	 _	_	_	_	_	_			_	_	_	_	_		_		_	\$814	
Gas	oline	tax						_													_		350	
Car-	mile	tax			-			_				-	_								_	_	250	
	Т	otal.														_	 			_		_	1,414	

The total payments which would be required in the five States chosen for comparison, arranged in descending order of magnitude, are given below:

Florida	\$1, 414, 00
Oregon	692.70
Michigan	390.75
New York	210.50
Rhode Island	206.00

PAYMENTS BY TRUCKS AND OTHER FREIGHT VEHICLES ANALYZED

In the instructions to statisticians it was requested that freight vehicles be reported in three groups, trucks, tractor trucks, and trailers and semitrailers. Only 23 States, however, reported tractor trucks separately from trucks, and in several of these there was evidence that the figures were incomplete. In general, tractor trucks are registered and taxed on much the same basis as trucks, and no separate data regarding them are given in this digest. Trailers and semitrailers were reported by all States except two—Kentucky and Oklahoma. In Kentucky full trailers are prohibited and tractor-semitrailer units are registered as trucks. In Oklahoma there was no registration of trailers in 1932.

In every State (the District of Columbia excepted) the registration fees of trucks were graduated so as to increase with the size of vehicle. In contrast to passenger cars and busses, for which weight was the most common basis of registration fee, trucks were registered according to carrying capacity in the majority of the States in 1932. Capacity, alone or in combination with a flat fee, weight, or horsepower, appears in 26 States as the basis of registration fee for privately owned and operated trucks. Twenty-two States registered trucks according to weight, the basis being gross weight in 11 States, net weight in 8 States, and chassis weight in Pennsylvania, South Dakota, and Idaho. A flat fee in combination with weight or capacity appeared as the basis in 6 States. Maryland was the only State which imposed fees according to horsepower alone; but horsepower in combination with capacity was reported in Tennessee and Louisiana. Minnesota alone used value as a basis.

Registration fees for private trucks were modified according to age or the number of previous registrations in 5 States, although in Mississippi reduction of fee for age was applied only to trucks of less than 2½ tons capacity, and was effective only after July 1, 1932.

Space does not permit a tabulation or full discussion of the registration fees imposed on trucks. For present purposes a comparison of the rates in a few States in different parts of the country will serve to illustrate the variety and range in the registration fees charged against trucks in 1932. In all cases the rates given are for 4-wheel, pneumatic-tired trucks.

Capacity States.—In Connecticut the rates varied from \$15 for a $\frac{1}{2}$ -ton truck to \$217.50 for a $6\frac{1}{2}$ -ton truck, with \$75 additional for each ton or fraction thereof over $6\frac{1}{2}$ tons. In Georgia, the fees ranged from \$15 for 1 ton or less to \$1,125 for 7 tons or over. In Missouri trucks of less than 2 tons capacity paid \$10.50; those of 7 and less than 8 tons capacity paid \$36, and \$15 was paid for each ton in excess of 8. In Oklahoma \$15 was paid by trucks having a capacity of threefourths of a ton or less, and \$300 by all of over 4 tons. In Utah the rates varied from \$5 for a $\frac{1}{2}$ -ton truck to \$100 for a 5-ton truck, with \$50 additional for each ton over 5.

Gross-weight States.—In Massachusetts the fee charged was 15 cents per 100 pounds weight of the vehicle and its maximum carrying capacity, with a minimum fee of \$6. In North Carolina, the rates, although based on gross weight, varied with the rated capacity. For trucks of 2 tons capacity or less the rate was 55 cents per 100 pounds, gross weight; for 2 tons to 3 tons the rate was 70 cents per 100 pounds: for more than 3 tons, the rate was \$1 per 100 pounds. The minimum fee was \$15. In Illinois the rates varied from \$10 for trucks having a gross weight of 3,000 pounds or less to \$150 for gross weights between 20,000 and 24,000 pounds. In Texas a rate of 40 cents per 100 pounds was charged for gross weights of 6,000 pounds or less. The rate increased with the weight until it reached \$4 per 100 pounds for weights over 26,000 pounds

Net-weight States.—In New York a flat rate of \$12 was charged for trucks weighing less than 1,800 pounds. For other trucks a rate of 80 cents per 100 pounds net weight was charged. In Florida trucks weighing 4,000 pounds or less paid 75 cents per 100 pounds; trucks weighing over 4,000 pounds paid \$2 per 100 pounds. In Michigan the rate varied from 65 cents per 100 pounds for trucks weighing 2,500 pounds or less to \$1.25 per 100 pounds for those weighing over 6,000 pounds. In California there was a flat fee of \$3, to which were added fees ranging up to \$50 for the heaviest weights permitted for 4-wheel trucks. Those weighing less than 3,000 pounds paid only the flat fee.

NATIONAL FIGURES FOR TRUCKS FOR 1932 SHOWN

National totals, averages, and percentages for trucks and tractor trucks, and for trailers and semitrailers, are given in table 7. The tabulation includes, for each capacity group, the number registered and tax paid and total and average payments of gasoline taxes, registration fees, special fees (without averages), and all fees and taxes. The percentage distribution of numbers registered and fees paid among the several capacity groups is also given.

The total number of freight-carrying vehicles registered in 1932 was 3,644,591, or 14.80 percent of all vehicles registered and tax-paid in that year. The total of all State fees and taxes paid by these vehicles was \$203,866,943, or 25.12 percent of all payments charged directly against motor vehicles in 1932.

Of all trucks and tractor trucks registered in 1932, 83.05 percent were light-weight vehicles, having rated capacities of 1½ tons or less. The percentage decreases steadily with the size of vehicle, except for the last bracket group, which contains all trucks of more than 5 tons capacity.

In the payments of fees and taxes the percentages were much different. Five-ton trucks and tractor trucks, which constituted only 0.88 percent of those registered, accounted for 1.54 percent of the gasoline taxes and 3.91 percent of the registration fees paid in 1932 by all trucks and tractor trucks.⁴ Those of more than 5 tons capacity, which included only 1.37 percent of the vehicles, contributed 4.41 percent of all State fees and taxes paid by trucks.

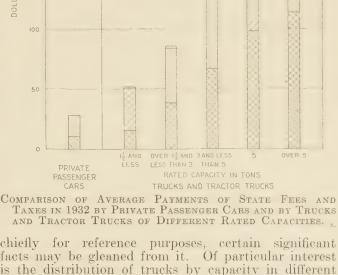
This variation of fee payments with capacity is shown more clearly by the averages given in table 7. Average registration fees varied from \$16 in the lowest capacity group to \$114 paid by those of more than 5 tons capacity; and average gasoline-tax payments ranged from \$36 to \$81.

Similar relations are shown in the trailer payments. The fees imposed on trailers are, in the majority of States, considerably less than those imposed on trucks. This is particularly true in the case of very light trailers, as is shown by the fact that those having capacities of 1½ tons or less paid average registration fees of only \$3.34. However, there is a sharp rise in average payments with capacity, until we find those of more than 5 tons capacity charged with average registration fees of \$71, and total payments of \$92.

The excess registration fees of \$500,807, paid by contract and common carriers, and the special fees of \$2,585,161, which were also, for the most part, the contribution of for-hire carriers, play no great part in the total payments by trucks and trailers. They are included in table 7 to complete the record, and are taken up in detail in the section dealing with contract and common carriers.

DISTRIBUTION OF TRUCKS BY CAPACITY GROUPS

In table 8 all trucks and tractor trucks and trailers and semitrailers registered in each State in 1932 are listed by capacity groups. While this table is useful



facts may be gleaned from it. Of particular interest is the distribution of trucks by capacity in different States and in the several regional groups. In those States which are predominantly rural the percentage of light trucks was very high, and there were relatively few having capacities of 3 tons or more. In seven States, Vermont, South Carolina, North Dakota, South Dakota, Tennessee, Montana, and Wyoming, none had a capacity of more than 5 tons. Five-ton trucks were found in all States, but the number was 20 or less in South Carolina, Georgia, North Dakota, South Dakota, Alabama, Arkansas, Wyoming, and New Mexico.

COMPARISONS RELATING TO THE NUMBERS OF HEAVY TRUCKS AND THE FEES IMPOSED

In the complete report considerable space is devoted to a discussion of the relative numbers and percentages of heavy trucks registered in different States, and to consideration of the question whether or not the imposition of high registration fees upon such vehicles, particularly when accompanied by high gasoline tax rates, tends to discourage the registration of such vehicles and, in consequence, to reduce the revenues derived from them. It is not possible, in this short digest, to reproduce this discussion, but we may set down the main points established, with sufficient illustrative material to indicate the trend of the analysis.

1. As would be expected, the dominant factor determining the relative numbers or percentages of heavy trucks registered in different States is the comparative industrial and commercial development of the States concerned. The highly developed States of the East, the Middle West, and the Pacific coast have many heavy trucks. Relatively few are found in the Northwestern and Mountain States and in most of the States of the South, although in a few of the sparsely populated States, such as Nevada, the percentage of heavy trucks is high.

⁴ Unless otherwise specified the word "trucks", when used subsequently in this discussion, refers to trucks and tractor trucks.

TABLE 7.-State taxes imposed on freight vehicles in 1932; national totals, averages, and percentages

		Percentage	Estimated I	payments of taxes	motor-fuel	Regular	r registration	i fees i
Rated capacity	Number registered	distribu- tion	Amount	Average per vehicle	Percentage distribu- tion	Amount collected	A verage per vehicle	Percentage distribu- tion
Tons Trucks and tractor trucks: 11_{5} and less. Over 11_{5} and less than 3. 3 and less than 5. 5. Over 5.	$\begin{array}{c} 2,681,985\\ 341,285\\ 128,938\\ 28,544\\ 44,056\end{array}$	83. 05 10. 57 3. 99 . 88 1. 37	\$96, 990, 409 15, 812, 494 7, 721, 581 1, 943, 828 3, 573, 972	\$36. 16 46. 33 59. 89 68. 10 81. 12	$76.64 \\ 12.49 \\ 6.10 \\ 1.54 \\ 2.82$	\$41, 353, 370 12, 953, 474 8, 601, 940 2, 771, 781 5, 013, 807	\$15.42 37.96 66.71 97.11 113.81	58. 43 18. 30 12. 15 3. 92 7. 05
Total classified. Not classified by capacity ³ Other undistributed fees ⁴	3, 224, 808 4, 507	99.86 .14	126, 042, 284 519, 385	39.09 115.24	99. 59 . 41	70, 694, 372 77, 657 2, 518	21. 92 17. 23	99.89 .11 .00
Total	3, 229, 315	100.00	126, 561, 669	39.19	100.00	70, 774, 547	21.92	100.00
Trailers and semitrailers: 1½ and less Over 1½ and less than 3. 3 and less than 5. 5. Over 5.	25, 705 23, 781	78, 55 6, 19 5, 73 1, 53 2, 10				$\begin{array}{c} 1,083,073\\ 344,698\\ 837,210\\ 364,700\\ 610,539 \end{array}$	3. 32 13. 41 35. 20 57. 23 70. 06	31, 44 10, 01 24, 30 10, 58 17, 72
Total classified	390, 755 24, 521	94. 10 5. 90				3, 240, 220 204, 539	8. 29 8. 34	94.06 5.94
Total	415, 276	100.00				3, 444, 759	8.30	100.00
All freight vehicles	3, 644, 591		126, 561, 669	39.19		74, 219, 306	20.36	
	Excess		registration fee		1	All	es	

		10044	registration i							
Rated capacity	Excess registra- tion fees ¹	Amount collected	Average per vehicle	Percentage distribu- tion	Special fees and taxes ²	Amount	Average per vehicle	Percentage distribu- tion		
Trucks and tractor trucks: $1\frac{1}{2}$ and less. Over $1\frac{1}{2}$ and less than 3. 3 and less than 5. 5. Over 5.	86, 861 79, 873 13, 371	\$41, 599, 951 13, 040, 335 8, 681, 813 2, 785, 152 5, 017, 342	\$15.51 38.21 67.33 97.57 113.89	58. 42 18. 32 12. 19 3. 91 7. 05	\$457, 634 471, 473 410, 432 80, 494 202, 220	\$139, 047, 994 29, 324, 302 16, 813, 826 4, 809, 474 8, 793, 534	\$51. 85 85. 92 130. 40 168. 49 199. 60	$ \begin{array}{r} 69.\ 68\\ 14.\ 69\\ 8.\ 43\\ 2.\ 41\\ 4.\ 41 \end{array} $		
Total classified. Not classified by capacity ³ . Other undistributed fees ⁴ .		71, 124, 593 77, 657 2, 518	22.06 17.23	99.89 .11	$\begin{array}{c} 1,622,253\\ 3,046\\ 165,568 \end{array}$	$198,789,130\\600,088\\168,086$	61. 64 133. 15	99.62 .30 .08		
Total	430, 221	71, 204, 768	22.05	100.00	1, 790, 867	199, 557, 304	61.80	100.00		
Trailers and semitrailers: 1½ and less Over 1½ and less than 3 3 and less than 5. 5. Over 5.	29,774 12,613	$1,089,694\\362,031\\866,984\\377,313\\614,784$	3. 34 14. 08 36. 46 59. 21 70. 55	$31.00 \\ 10.30 \\ 24.66 \\ 10.73 \\ 17.49$	27,47839,776125,02864,401189,954	$1, 117, 172 \\ 401, 807 \\ 992, 012 \\ 441, 714 \\ 804, 738$	$\begin{array}{c} 3.\ 42\\ 15.\ 63\\ 41.\ 71\\ 69.\ 32\\ 92.\ 35\end{array}$	28. 14 10. 12 24. 99 11. 12 20. 27		
Total classified. Not classified by capacity Other undistributed fees 4	70, 586	3, 310, 806 204, 539	8. 47 8. 34	94. 18 5. 82	446, 637 8, 377	3, 757, 443 204, 539 8, 377	9.62 8.34	94. 64 5. 15 . 21		
Total	70, 586	3, 515, 345	8.46	100.00	455, 014	3, 970, 359	9.56	100.00		
Undistributed freight-carrier fees ⁸ All freight vehicles		74, 720, 113	20. 50		339, 280 2, 585, 161	339, 280 203, 866, 943	55.94			

¹ In a number of States contract and common carriers of property were required to pay higher registration fees than private carriers. "Regular registration fees" include actual payments of private carriers and the estimated payments of contract and common carriers based on the private carrier rates. "Excess registration fees" include all payments of contract and common carriers in excess of the estimated payments at the private carrier rates. "Total registration fees" are total actual payments by all classes of carriers.

of carriers. ² Includes all special fees and taxes, paid principally by contract and common carriers, such as mileage taxes, receipts taxes, franchise fees, privilege taxes, and other miscellaneous special fees. Excess registration fees are not included. ³ All unclassified were tractor trucks. The payments by these vehicles could not logically be distributed among the several capacity groups. ⁴ The term "Other undistributed fees" refers to payments which could not properly be assigned to a specific number of vehicles and therefore could not be distributed among the several capacity groups. Also included are payments of special fees by contract-carrier trucks in Montana, Oklahoma, and South Dakota, \$30,701; and special fees of common-carrier trucks in South Dakota, \$36,971. The numbers of these trucks were given, but their registration fees were not segregated from those of private carriers, and they were not classified by weight or capacity. ⁴ Special fees applicable to both trucks and trailers, which could not be allocated by reasonable methods of approximation.

2. Limitations imposed on gross loads undoubtedly have an effect on the registration of heavy trucks, particularly those of more than 5 tons capacity. However, in a number of the States reporting few heavy trucks, including Alabama, Georgia, Kansas, Montana, North Dakota, Virginia, and Wyoming, the load restrictions were liberal, particularly with respect to six-wheel trucks.

3. In certain populous States registration fees of considerable magnitude have not apparently discouraged table

the registration of heavy trucks. Thus, in Iowa, where registration fees of \$250 were required for 5-ton trucks, and \$350 for 7-ton trucks, the total collections from trucks and tractor trucks of 5 tons capacity or more were \$46,634. In Wisconsin, where the fees for these two classes ⁵ were \$210 and \$310, respectively, the collections were \$224,551. These rates, however, are low compared to those in effect in certain other States.

⁵ Fees computed on basis of conversion between gross weight and capacity; see

TABLE 8.—State totals of freight vehicles registered and regular fees paid in 1932; grouped according to rated capacity

	Trucks and tractor trucks Trailers and semitrailers													
Division and State			Rated o	apacity	in tons					Rated c	apacity i	in tons		
DIVISION AND DEAD	1½ and less	Over 1½ and less than 3	3 and less than 5	5	Over 5	Not classi- fied by capacity ¹	Total	1½ and less	Over 1½ and less than 3	3 and less than 5	5	Over 5	Not classi- fied by capacity	Total
New England	191, 983	22, 159	13, 479	2, 489	3,726	817	234,653	7,000	247	252	84	654	139	8,376
Maine New Hampshire Warmont Massachusetts Rhode Island Connecticut	$\begin{array}{r} 31, 519\\ 14, 025\\ 6, 780\\ 81, 751\\ 15, 424\\ 42, 484 \end{array}$	$\begin{array}{c} 2,870\\ 1,698\\ 906\\ 10,966\\ 1,086\\ 4,633\end{array}$	$1, 430 \\ 1, 445 \\ 548 \\ 6, 534 \\ 1, 089 \\ 2, 433$	$195 \\ 203 \\ 75 \\ 907 \\ 166 \\ 943$	143 7 2,030 651 895	46	$\begin{array}{r} 36,203\\17,378\\8,309\\102,959\\18,416\\51,388\end{array}$	3,9971,153473248181,111	48 3 136 11 49	$47 \\ 3 \\ 162 \\ 13 \\ 27$	34 48 1 1	4 523 25 102	139	4, 136 1, 286 479 1, 117 68 1, 290
Middle Atlantic	504, 495	137,094	41, 934	15, 363	28, 134	162	727, 182	11,713	5,329	2,752	1,238	2,842	3,038	26, 912
New York New Jersey Pennsylvania Delaware Maryland. District of Columbia.	$216, 555 \\ 89, 916 \\ 144, 554 \\ 6, 884 \\ 34, 743 \\ 11, 843$	64, 564 18, 781 45, 653 888 3, 712 3, 496	$14, 413 \\10, 083 \\12, 515 \\525 \\2, 245 \\2, 153$	$\begin{array}{c} 6,867\\ 1,616\\ 5,773\\ 188\\ 620\\ 299\end{array}$	$11,366\\8,208\\7,743\\181\\207\\429$	96	$\begin{array}{c} 313,765\\ 128,604\\ 216,334\\ 8,666\\ 41,527\\ 18,286\end{array}$	5, 559 4, 549 555 719 331	4, 298 862 50 99 20	$1,078 \\ 1,305 \\ 28 \\ 243 \\ 98$	170 826 10 215 17	2, 683 13 31 35 80	3,038	13,7883,0387,5556741,311546
South Atlantic	224, 538	13,818	6,262	540	91		245, 249	17,847	2,082	1,697	301	92	3,750	25, 769
Virginia West Virginia North Carolina South Carolina Georgia Florida	$58, 379 \\ 29, 536 \\ 43, 242 \\ 18, 341 \\ 39, 665 \\ 35, 375 \\ \end{cases}$	$\begin{array}{c} 2,982\\ 1,538\\ 4,175\\ 1,024\\ 1,934\\ 2,165\end{array}$	$904 \\ 1, 640 \\ 2, 599 \\ 354 \\ 430 \\ 335$	$ \begin{array}{r} 73 \\ 189 \\ 207 \\ 3 \\ 20 \\ 48 \\ 48 \end{array} $	6 13 39 1 32		62, 344 32, 916 50, 262 19, 722 42, 050 37, 955	$1,800 \\ 1,391 \\ 6,692 \\ 809 \\ 147 \\ 7,008$	$175 \\ 221 \\ 837 \\ 541 \\ 65 \\ 243$	$302 \\ 23 \\ 611 \\ 483 \\ 48 \\ 230$	$ \begin{array}{r} 112 \\ 6 \\ 86 \\ 45 \\ 11 \\ 41 \end{array} $	1 20 39 32	3, 750	$\begin{array}{c} 2,390\\ 1,661\\ 8,265\\ 1,910\\ 4,021\\ 7,522 \end{array}$
East North Central	591,016	71, 247	24,606	5,120	4,810	1,852	698, 651	141, 895	4,749	7,014	1,445	1,972		157,075
Ohio Indiana Illinois Michigan Wisconsin	$\begin{array}{c} 137,880\\ 113,370\\ 145,083\\ 96,169\\ 98,514 \end{array}$	20,3454,85018,57721,7435,732	7, 940 1, 766 8, 845 3, 321 2, 734	$501 \\ 117 \\ 3, 482 \\ 638 \\ 382$	$\begin{array}{r} 826 \\ 64 \\ 1,833 \\ 1,402 \\ 685 \end{array}$	1,852	$167, 492 \\122, 019 \\177, 820 \\123, 273 \\108, 047$	40, 816 21, 435 7, 552 71, 961 131	$1,268 \\913 \\811 \\1,398 \\359$	$2, 603 \\792 \\227 \\3, 016 \\376$	$335 \\ 142 \\ 41 \\ 789 \\ 138$	576 261 272 374 489		45, 598 23, 543 8, 903 77, 538 1, 493
West North Central	408, 507	24, 361	9, 161	804	168		443,001	40, 468	1, 594	1, 557	1,017	697	13, 478	58, 811
Minnesota Iowa Missouri North Dakota South Dakota Nebraska Kansas	95, 877 63, 511 88, 668 22, 957 18, 581 49, 636 69, 277	$\begin{array}{c} 3,871\\ 9,024\\ 6,315\\ 471\\ 789\\ 1,983\\ 1,908 \end{array}$	$1,570 \\ 2,162 \\ 3,911 \\ 156 \\ 168 \\ 630 \\ 564$	$282 \\ 99 \\ 343 \\ 6 \\ 4 \\ 42 \\ 28$	50 86 28		$101, 650 \\74, 882 \\99, 265 \\23, 590 \\19, 542 \\52, 294 \\71, 778$	20, 298 2, 369 7, 647 19 8, 800	409 145 601 3 46 390	440 205 648 14 5 245	$210 \\ 64 \\ 694 \\ 2 \\ 1 \\ 46$	172 91 418 1	13, 478	$21,529 \\ 2,874 \\ 10,008 \\ 39 \\ 8,852 \\ 13,478 \\ 2,031$
East South Central	112, 139	4, 946	2,130	162	19	398	119,794	4, 497	584	590	100	21	4,056	9, 848
Kentucky ² Tennessee Alabama Mississippi	$\begin{array}{r} 28,845\\ 29,152\\ 30,228\\ 23,914 \end{array}$	1,957 1,322 1,052 615	753 500 277 600	58 72 7 25	8 1 10	388 10	31, 621 31, 434 31, 575 25, 164	2, 258 2, 239	438	491	86 14	21	4,056	3, 294 4, 056 2, 498
West South Central	259, 558	29, 120	9, 856	1, 177	307	1, 170	301, 188	32, 841	5, 952	5, 816	812	174		45, 595
Arkansas Louisiana Oklahoma ³ Texas	$\begin{array}{r} 22,068\\ 37,791\\ 38,628\\ 161,071 \end{array}$	775 2, 159 4, 321 21, 865	$ \begin{array}{r} 143 \\ 628 \\ 1,576 \\ 7,509 \end{array} $	2 72 326 777	$\begin{array}{c}1\\33\\33\\240\end{array}$	1, 170	22, 989 41, 853 44, 884 191, 462	2, 145 3, 281 27, 415	285 1, 308 4, 359	428 1, 685 3, 703	146 219 	174		3, 004 6, 493 36, 098
Mountain	115, 478	7,728	3,007	502	346	56	127, 117	12,938	510	428	91	108	60	14, 135
Montana Idaho Wyoming Colorado New Mexico Arizona Utah. Newada	$19,514 \\ 12,417 \\ 9,163 \\ 27,368 \\ 14,354 \\ 12,851 \\ 13,980 \\ 5,831$	$776 \\ 1, 176 \\ 476 \\ 2, 286 \\ 489 \\ 1, 049 \\ 1, 159 \\ 317 $	203 365 230 514 160 521 731 283	$28 \\ 50 \\ 10 \\ 109 \\ 15 \\ 102 \\ 134 \\ 54$	22 24 2 164 92 42	56	$\begin{array}{c} 20,521\\ 14,030\\ 9,879\\ 30,357\\ 15,020\\ 14,687\\ 16,096\\ 6,527\end{array}$	9, 912 12 225 500 1, 490 221 578	73 1 197 71 130 30 8	60 4 126 38 127 59 14	$ \begin{array}{r} 10 \\ 1 \\ 23 \\ 6 \\ 38 \\ 12 \\ 1 \end{array} $	13 4 71 3 17	60	$\begin{array}{r} 60\\ 10,055\\ 18\\ 584\\ 619\\ 1,856\\ 325\\ 618\\ \end{array}$
Pacific	274, 271	30, 812	18, 503	2, 387	6,455	52	332, 480	56,984	4,658	3,675	1,284	2, 154		68,755
Washington Oregon California	52, 337 27, 224 194, 710	6, 845 4, 307 19, 660	3,279 1,502 13,722	456 286 1,645	909 1,158 4,388	52	63, 826 34, 477 234, 177	3, 617 797 52, 570	182 283 4, 193	245 343 3, 087	44 85 1, 155	208 198 1, 748		$\begin{array}{r} 4,296 \\ 1,706 \\ 62,753 \end{array}$
Grand total	2, 681, 985	341, 285	128, 938	28, 544	44,056	4, 507	3, 229, 315	326, 183	25,705	23, 781	6,372	8,714	24, 521	415, 276

In all cases, these vehicles are unclassified tractor trucks.
 Full trailers prohibited. Semitrailers registered with tractor trucks.
 No registration of trailers or semitrailers in 1932.

4. In those States which imposed unusually high registration fees on heavy trucks the number of such 5 tons capacity were as follows: 6 tons, \$375; 7 tons, vehicles was almost invariably small and the revenues s750; over 7 tons, \$1,125. Against this imposing array of fees we find but one truck of more than 5 tons capacnumber of Southern States in which high registration | ity registered in 1932—a 6-ton truck, paying \$375. fees were combined with high gasoline taxes.

In Georgia, for example, the rates for trucks of over

In North Dakota, where the rate on 5-ton trucks was \$400 and on those over 5 tons, \$600 to \$1,500, with reductions after the first year of registration, we find six 5-ton trucks paying a total of \$1,404, and none over 5 tons. In South Dakota, where the schedule of rates, based on chassis weights, was also very high, only four 5ton trucks were registered, with total collections of \$1,300.

One apparent effect of high registration fees was to bring about the registration of heavy trucks for only a part of the year. In Alabama only one truck of more than 5 tons capacity was registered, a 6-ton truck paying \$187.50, or one-fourth the annual fee of \$750. In Arkansas, similarly, one 6-ton truck paid \$100, the annual rate being \$400. In Texas a rate of \$4 per hundredweight applied to trucks having gross weights of 26,000 pounds or more was apparently not productive, as the average payment reported for trucks of more than 5 tons capacity was only \$144.23.

In Louisiana the law provided that trucks with a net carrying capacity greater than 5 tons should be charged \$150 for each thousand pounds carrying capacity in excess of 5 tons, in addition to a fee of 68 cents per horsepower and \$32 per ton for the first 5 tons (\$50per ton for common carriers). City trucks were exempted from this schedule and paid at the rate of \$10 per ton plus 68 cents per horsepower. No private trucks were reported as paying the high rates cited Five common carriers having capacities of above. more than 5 tons paid a total of \$323. Of city trucks there were 28 of more than 5 tons capacity and the total collections from them were \$3,050. Thus we have a relatively low rate of registration fee producing nearly 10 times the revenue obtained from a very high rate applied to vehicles of the same capacity group.

The conclusion is inescapable that such unusually high rates, if effective at all, succeed only in discouraging or virtually prohibiting the registration of heavy vehicles. A more logical procedure in devising a schedule of registration fees for a given State would seem to be, first, to fix definitely the maximum load to be permitted on the roads, and then to adjust the scale of fees with a view of obtaining a maximum yield. It is a recognized principle that heavy vehicles should pay the additional costs of highways designed to support their loads, so far as those costs can be determined. It is not always realized that one of the variables entering into the computation is the number of such vehicles which may be registered in a State. Laws which impose exorbitant fees on heavy trucks tend to defeat the purpose for which they were enacted, if that purpose was to increase the income of the State.

5. In a comparison of the registration of heavy trucks with the mileage of high-type State highways it was found that in a number of the States having very low registrations in this class of vehicles, there are considerable mileages of high-type road, and particularly of portland-cement concrete. Conspicuous examples of this situation are shown in table 9.

One could hardly say that the 1,922 miles of concrete road in South Carolina were built primarily to accommodate the three 5-ton trucks which were registered, or even the 357 trucks which had capacities of 3 tons or more. Similarly, in Alabama, Arkansas, Georgia, and even in Indiana, the number of such trucks is so small as to be a negligible factor in the traffic on the high-type roads. It should also be remembered that a large proportion of the movement of heavy trucks takes place within the limits of cities.

 TABLE 9.—Comparison of heavy trucks registered with mileage of high-type State highways existing in 1932

	Number of trucks of	High-type State high- ways ¹ in 1932					
State	5 tons capacity or more	All high- type	Portland cement concrete				
Alabama Arkansas. Florida Georgia Indiana Kentucky. Louisiana South Carolina. Tennessee		1,049 2,002 1,398 1,747 4,174 1,627 2,041 2,370 2,251	730 1, 032 528 1, 035 3, 430 736 1, 795 1, 922 1, 190				

¹ From annual table published by the Bureau, "State highway mileage existing in 1932,"

Very different relations are shown if we take certain other States, such as New York, with 18,233 trucks of 5 tons or more capacity, and 10,716 miles of high-type State highways; Wisconsin, with 1,067 such trucks and 4,138 high-type miles; or Wyoming, with 240 trucks of 3 tons or more capacity, 10 of 5 tons or more, and 35 miles of high-type surface. Nevertheless, the inference is very clear that concrete and other high-type surfaces are constructed primarily in response to the present and anticipated demands of the motoring public in general, rather than specifically to support the traffic of heavy trucks.

FOR-HIRE CARRIERS OF PROPERTY

The analysis of the reports submitted in this survey and of laws in effect in 1932 indicates that for-hire carriers of property were, in one way or another, recognized as separate classes of vehicles in all States except Maine, New Hampshire, Connecticut, New York, New Jersey, Delaware, the District of Columbia, and Nebraska. Laws were passed in Maine and New Hampshire providing for the regulation of for-hire carriers in 1933.

A number of States which have such regulations failed to report separately the numbers of for-hire vehicles or their payments of fees; these States were Rhode Island, Pennsylvania, Indiana, Illinois, Tennessee, and Mississippi. In all, 35 States reported for-hire carriers in such a manner that they could be included in the tabulations of national totals, percentages, and averages.

The statisticians for each State were requested to report contract carriers and common carriers separately. This could not be done in all cases, because of the lack of uniformity among the States in the classes into which property carriers are divided. Some States recognize and regulate only one class of for-hire carriers, while others have three or more. There is no universally accepted definition of a common carrier, and it was necessary in a number of cases to exercise judgment as to the class to which a given group of vehicles should be assigned. It was decided to regard the term "con-tract carrier" as the more general classification, and to include in that group all for-hire carriers other than those definitely assignable to the common-carrier class. Where contract and common carriers were reported together, they were assigned to the contract group. This was done in the case of three States, Arkansas, Ohio, and West Virginia, and probably in the case of Massachusetts, which reported only contract carriers.

Contract-carrier trucks were reported in 26 States, and contract-carrier trailers in 20 States. Thirty-one States reported common-carrier trucks and 24 States reported common-carrier trailers. A segregation of for-hire property carriers into contract and common was available for trucks in 22 States and for trailers in 16 States.

The tabulation of contract carriers also includes a small number of private carriers operating in commercial service and subject to special taxation.

SPECIAL TAXATION IMPOSED ON FOR-HIRE CARRIERS IN MAJORITY OF STATES

Of the 41 States which recognized for-hire carriers of property as a special class of vehicle, all but five— Vermont, Massachusetts, Rhode Island, Indiana, and Illinois—imposed higher taxes in 1932 upon contract or common carriers, or both, than those which privately operated carriers were required to pay, although in a few States certain classes of private carriers were included in the increased taxation. In some States the increase took the form of higher registration fees; in other States special fees, such as have been described in the case of public-carrier busses, were imposed.

Excess registration fees.—Registration fees in excess of the private-carrier rate were paid by contract-carrier trucks in Florida, Idaho, North Carolina, North Dakota, South Carolina, Virginia, and West Virginia. Higher rates were also paid by for-hire carriers in Arkansas, which reported contract and common carriers together. In Arkansas and Florida special fees were paid in addition to the excess registration fees. In Massachusetts, Minnesota, and Missouri contract carriers paid registration fees at the private-carrier rate, and no special fees.

Common-carrier trucks paid excess registration fees in the following States: Florida, Idaho, Louisiana, Minnesota, North Carolina, and North Dakota. Additional special fees were paid in all these States except Louisiana.

In Maryland, South Carolina, and West Virginia, common carriers were not required to pay registration fees, ton-mile taxes being assessed in lieu thereof. In California common carriers paid a receipts tax and no registration fees. In New Mexico the rate of registration fee on common carriers was one-half the private rate.

Mileage taxes.—Taxes based on mileage traveled were imposed on contract carriers of property in Florida, Georgia, Kentucky, and Oklahoma; and on common carriers in Alabama, Florida, Georgia, Kentucky, New Mexico, and Oklahoma. In Tennessee and Mississippi for-hire carriers and certain classes of private carriers were required to pay a mileage tax. In Oklahoma class C motor carriers (private carriers who make a charge for the delivery of goods) were also required to pay a mileage tax.

In all these States except Oklahoma the rate per mile increased with the weight or capacity of the vehicle. In Alabama, for example, the rates varied from ½ cent per mile for vehicles under 2 tons capacity to 2 cents per mile for trucks of 5 tons capacity or more. In New Mexico the rates varied from ¼ cent per mile for vehicles of 1½ tons capacity or less to 3 cents per mile for vehicles of more than 5 tons capacity. In Oklahoma the rate was ½ cent per mile for contract and class C carriers, and % cent per mile for common carriers.

Ton-mile taxes.—Ton-mile taxes were imposed on contract carriers of property in Colorado, Kansas,

Utah, Wisconsin, and Wyoming, and on common carriers in Colorado, Iowa, Kansas, Maryland, Oregon, South Carolina, Utah, West Virginia, Wisconsin, and Wyoming. In Wisconsin and Kansas certain classes of private carriers were also required to pay a ton-mile tax.

In 3 States—Wyoming, Colorado, and Utah—the rates were based on revenue ton-miles, that is, the sum of the products of all revenue cargoes times the miles each cargo was carried. The rate in Wyoming was ½ cent per ton-mile; in Colorado, ½ cent; and in Utah, ¾ cent on hard-surfaced roads and ¼ cent on other roads.

In West Virginia the ton-mile tax on common carriers was based on the capacity of the vehicle times the scheduled mileage. In the remaining States the gross ton-mile was the basis of the tax. Of these States, the law in Iowa and Oregon stipulated that the gross weight used should include the weight of the vehicle and its maximum load. In Kansas the gross weight included the weight of the vehicle plus twice its capacity load. In Maryland, South Carolina, and Wisconsin, the rated capacity was added to the weight of the vehicle in computing the tax.

The rates charged per ton-mile in these States varied from $\frac{1}{20}$ cent in Kansas to $\frac{1}{2}$ cent charged in South Carolina against trucks having gross weights of more than 7 tons.

Receipts taxes.—Taxes on gross receipts were imposed on contract carriers of property only in Arkansas, which reported contract and common carriers together, and in Pennsylvania, which imposed the tax on all for-hire vehicles, but did not segregate for-hire carriers of property from other carriers. Receipts taxes were imposed on common carriers in Arizona, California, Idaho, North Carolina, South Dakota, Virginia, and Washington. In North Carolina the payments of registration fees were credited against the gross receipts tax, and in California the receipts tax was in lieu of registration fees. The rates paid in these nine States varied from 0.8 percent in Pennsylvania to 6 percent in North Carolina.

Other special fees.—Fees for the issuance of certificates of convenience and necessity, or equivalent permits, were paid by both contract and common carriers in Colorado, Georgia, Kentucky, New Mexico, Oklahoma, South Dakota, Texas, and Wyoming; and by common carriers only in Alabama, Minnesota, North Dakota, and Wisconsin. Franchise or permit fees at flat rates per vehicle were assessed on both contract and common carriers in Georgia, Montana, Texas, and Wisconsin, on contract carriers in Iowa, and on for-hire carriers operating as transfer companies in Tennessec. Franchise or special license fees increasing with the weight or capacity of the vehicle were paid by contract and common carriers in Michigan, Ohio, and Nevada; by contract carriers only in Oregon and South Dakota; and by common carriers only in Missouri, Oklahoma, and Tennessee.

ONLY A PART OF ALL FOR-HIRE CARRIERS REPORTED

In all, there were reported 96,670 for-hire carriers of property, consisting of 87,825 trucks and 8,845 trailers and semitrailers. The tabulation of these vehicles by class of service is as follows:

For-hire trucks and tractor trucks:	
Contract-carrier	70, 956
Common-carrier	16, 869
For-hire trailers and semitrailers:	
Contract-carrier	
Common-carrier	3, 837

TABLE 10.—State taxes imposed on contract carriers of property in 1932; national totals and averages

REGISTRATION FEES AND MOTOR-FUEL TAXES

Rated capacity	Num- ber	Estimate ments of fuel ta	motor-	Regula	ır registrati	Excess	registrati	on fees	Tota	l registratio	n fees	Total registration fees and motor-fuel taxes			
	regis- tered	Amount	Aver- age per vehicle	Num- ber of vehicles	Amount collected	Aver- age per vehicle	Num- ber of vehicles	Amount collected	Aver- age per vehicle	Num- ber of vehicles	Amount collected	A ver- age per vehicle	Num- ber of vehicles	Amount	Aver- age per vehicle
Tons Trucks and tractor trucks: 1½ and less Over 1½ and less than 3 3 and less than 5 5 Over 5 Total classified Not classified by capacity ¹ . Not segregated ² Undistributed fees ³	45, 306 14, 613 7, 794 800 1, 303 69, 816 24 1, 116	\$2, 412, 710 996, 516 690, 141 90, 225 169, 493 4, 359, 085 2, 142 80, 254	\$53.25 68.20 88.55 112.78 130.08 62.44 89.25 71.91	45, 306 14, 613 7, 794 800 1, 303 69, 816 24 1, 116	\$855, 760 601, 485 525, 591 74, 595 114, 206 2, 171, 637 382 31, 418 2, 518	\$18. 89 41. 16 67. 44 93. 24 87. 65 31. 11 15. 92 28. 15	14, 043 2, 341 1, 962 176 23 18, 545	\$223, 161 67, 552 62, 635 10, 316 2, 006 365, 670	\$15. 89 28. 86 31. 92 58. 61 87. 22 19. 72	45, 306 14, 613 7, 794 800 1, 303 69, 816 24 1, 116	\$1, 078, 921 669, 037 588, 226 84, 911 116, 212 2, 537, 307 382 31, 418 2, 518	\$23. 82 45. 78 75. 47 106. 14 89. 19 36. 34 15. 92 28. 15	45, 306 14, 613 7, 794 800 1, 303 69, 816 24 1, 116	\$3, 491, 631 1, 665, 553 1, 278, 367 175, 136 285, 705 6, 896, 392 2, 524 111, 672 2, 518	\$77.07 113.98 164.02 218.92 219.27 98.78 105.17 100.06
Total Trailers and semitrailers: 1½ and less Over 1½ and less than 3 3 and less than 5 5 Over 5 Total	70, 956 1, 111 943 1, 847 485 622 5, 008	4, 441, 481	62.59	70, 956 1, 111 943 1, 847 485 622 5, 008	2, 205, 955 10, 399 18, 953 81, 085 28, 113 40, 457 179, 007	9. 36 20. 10 43. 90 57. 96 65. 04 35. 74	18, 545 526 523 578 161 9 1, 797	365, 670 4, 837 14, 390 22, 399 6, 307 1, 937 49, 870	19. 72 9. 20 27. 51 38. 75 39. 17 215. 22 27. 75	70, 956 1, 111 943 1, 847 485 622 5, 008	2, 571, 625 15, 236 33, 343 103, 484 34, 420 42, 394 228, 877	36. 24 13. 71 35. 36 56. 03 70. 97 68. 16 45. 70	70, 956	7, 013, 106	98.84

SPECIAL FEES

	Mileage	e or ton-mi	le taxes	R	eceipts tax	ês	fees,	ise fees, cer and other us special	miscel-		pecial fees registration		A11	fees and ta	axes
Rated capacity	Num- ber of vehi- cles	Amount collected	A ver- age per vehi- cle	Num- ber of vehi- cles	Amount collected	Aver- age per vehi- cle	Num- ber of vehi- cles	Amount collected	A ver- age per vehi- cle	Num- ber of vehi- cles	Amount collected	Aver- age per vehi- cle	Num- ber of vehi- cles	Amount	A ver- age per vehi- cle
Tons															
Trucks and tractor trucks: 1½ and less Over 1½ and less than 3 3 and less than 5 5 Over 5	$1,073 \\706 \\333 \\57 \\5$	\$25,767 36,149 28,494 4,134 714	\$24, 01 51, 20 85, 57 72, 53 142, 80	888 225 43 1	\$17, 789 6, 845 1, 962 73	\$20, 03 30, 42 45, 63 73, 00	$10, 438 \\7, 350 \\3, 106 \\289 \\461$	\$170, 021 173, 468 136, 055 18, 504 43, 442	\$16, 29 23, 60 43, 80 64, 03 94, 23	$24, 591 \\ 9, 727 \\ 5, 104 \\ 471 \\ 488$	\$436, 738 284, 014 229, 146 33, 027 46, 162	\$17.76 29.20 44.90 70.12 94.59	14,613	\$3,705,208 1,882,015 1,444,878 197,847 329,861	\$81, 78 128, 79 185, 38 247, 31 253, 16
Total classified Not classified by capacity ¹ Not segregated ² Undistributed fees ³	$2,174 \\ 10 \\ 647$	95, 258 825 67, 330	43.82 82.50 104.06	1, 157	26, 669	23.05	$21, 644 \\ 10 \\ 1, 116 \\ 279$	$541, 490 \\7 \\13, 371 \\1, 395$	$25.02 \\ .70 \\ 11.98 \\ 5.00$	40, 381 10 1, 116 279	1, 029, 087 832 80, 701 1, 395	$\begin{array}{c} 25.\ 48\\ 83.\ 20\\ 72.\ 31\\ 5.\ 00\end{array}$	$69,816 \\ 24 \\ 1,116$	7, 559, 809 3, 356 192, 373 3, 913	108. 28 139. 83 172. 38
Total	2, 831	163, 413	57.72	1, 157	26, 669	23.05	23, 049	556, 263	24.13	41, 786	1, 112, 015	26.61	70, 956	7, 759, 451	109.36
Trailers and semitrailers: 1½ and less. Over 1½ and less than 3 3 and less than 5 5. Over 5.	43 45 55 5	965 1, 317 2, 039 97	22. 44 29. 27 37. 07 19. 40	125 59 195 93	1,8372,1099,9646,833	14.70 35.75 51.10 73.47	$311 \\ 231 \\ 1,035 \\ 216 \\ 245$	$1,828 \\3,139 \\31,042 \\9,580 \\11,315$	$5.88 \\ 13.59 \\ 29.99 \\ 44.35 \\ 46.18$	837 754 1, 614 377 254	$\begin{array}{c} 9,467\\ 20,955\\ 65,444\\ 22,817\\ 13,252\end{array}$	11. 31 27. 79 40. 55 60. 52 52. 17	$1, 111 \\ 943 \\ 1, 847 \\ 485 \\ 622$	19,86639,908146,52950,93053,709	17. 88 42. 32 79. 33 105. 01 86. 35
Total classified Undistributed fees ³	148	4, 418	29.85	472	20, 743	43.95	2, 038 76	56, 904 380	27.92 5.00	3, 836 76	131, 935 380	34, 39 5, 00	5, 008	310, 942 380	62.09
Total	148	4, 418	29.85	472	20, 743	43.95	2, 114	57, 284	27.10	3, 912	132, 315	33.82	5, 008	311, 322	62.16

¹ See p. 191. ² See p. 191. Estimated payments of registration fees and gasoline taxes by these vehicles are included.

³ See pp. 191 and 192.

ber of the property carriers in the United States operating as contract and common carriers in 1932. Thirtyfive States are represented in the totals, but those which are omitted—Maine, New Hampshire, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, the District of Columbia, Indiana, Illinois, Nebraska, Tennessee, and Mississippi-include several of the most populous States in the Union. In view of this fact it would be hazardous to make an estimate of the total number of for-hire carriers operating in 1932. The validity of such an estimate would be further impaired by the fact that nine States reported common carriers but no contract carriers. The wide differences at the time of preparation of this report. The total

These figures represent only a part of the total num- in State laws and regulations and the various classes of operation, such as city hauling and the hauling of farm products, which are exempted in a number of States, indicate that the totals obtained in this survey are considerably below the total number of for-hire carriers in the 35 States reporting such vehicles.

The National Code Authority for the trucking industry, operating under the National Recovery Administration, is conducting a registration of vehicles engaged in the transportation of property for hire. This registration is designed to show the number of vehicles actually operating for hire, and not the number regulated by law. The registration was not complete

TABLE 11.-State taxes imposed on common carriers of property in 1932; national totals and averages

REGISTRATION FEES AND MOTOR-FUEL TAXES	5
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	Num- ber	Estimate ments of fuel ta	motor-	Regula	r registrati	ion fees	Excess	registrati	on fees	Total	registratio	n fees		egistration f otor-fuel tax	
Rated capacity	regis- tered	Amount	A ver- age per vehicle	Num- ber of vehicles	Amount collected	Aver- age per vehicle	Num- ber of vehicles	Amount collected	A ver- age per vehicle	Num- ber of vehicles	Amount collected	A ver- age per vehicle	Num- ber of vehicles	Amount	A ver- age per vehicle
Tons															
Trucks and tractor trucks: 1½ and less Over 1½ and less than 3 3 and less than 5 5 Over 5		\$411, 732 333, 186 260, 044 49, 576 90, 707	\$60, 95 80, 06 96, 82 115, 29 141, 73	$ \begin{array}{c} 6, 162 \\ 3, 515 \\ 2, 161 \\ 306 \\ 393 \end{array} $	\$114, 395 141, 776 146, 339 30, 727 52, 087	\$18, 56 40, 33 67, 72 100, 42 132, 54	$862 \\ 449 \\ 153 \\ 13 \\ 3$	\$23, 420 19, 309 17, 238 3, 055 1, 529	\$27. 17 43. 00 112. 67 235. 00 509. 67		\$137, 815 161, 085 163, 577 33, 782 53, 616	\$22, 37 45, 83 75, 70 110, 40 136, 43		\$549, 547 494, 271 423, 621 83, 358 144, 323	\$81,35 118,76 157,71 193,86 225,50
Total classified Not classified by capacity ¹ _ Not segregated ²	$14,673 \\ 98 \\ 2,098$	$1, 145, 245 \\ 8, 418 \\ 101, 762$	78.0585.9048.50	12,537462,098	485, 324 1, 150 49, 901	38.71 25.00 23.79	1, 480	64, 551	43. 62	12,537462,098	549, 875 1, 150 49, 901	43. 86 25. 00 23. 79	$ \begin{array}{r} 14,673 \\ 98 \\ 2,098 \end{array} $	$\begin{array}{c} 1,695,120\\ 9,568\\ 151,663 \end{array}$	$ \begin{array}{r} 115.53 \\ 97.63 \\ 72.29 \end{array} $
Total	16, 869	1, 255, 425	74.42	14, 681	536, 375	36. 54	1, 480	64, 551	43.62	14, 681	600, 926	40.93	16, 869	1,856,351	110.05
Trailers and semitrailers: 1½ and less Over 1½ and less than 3 3 and less than 5 5 Over 5 (Testel	452 682 1, 378 519 806			358 587 1, 168 351 392	4, 629 15, 731 54, 448 24, 684 31, 549	12.93 26.80 46.62 70.32 80.48	147 178 155 59 24	1, 784 2, 943 7, 375 6, 306 2, 308	12.14 16.53 47.58 106.88 96.17	358 587 1, 168 351 392	6, 413 18, 674 61, 823 30, 990 33, 857	17. 91 31. 81 52. 93 88. 29 86. 37			
Over 5	640 14, 673 98 2, 098 16, 869 452 682 1, 378 519	90, 707 1, 145, 245 8, 418 101, 762	141.73 78.05 85.90 48.50 74.42	393 12, 537 46 2, 098 14, 681 358 587 1, 168 351	52, 087 485, 324 1, 150 49, 901 536, 375 4, 629 15, 731 54, 448 24, 684	132.54 38.71 25.00 23.79 36.54 12.93 26.80 46.62 70.32	3 1,480 1,480 1,480 147 178 155 59	1, 529 64, 551 64, 551 1, 784 2, 943 7, 375 6, 306	509. 67 43. 62 43. 62 43. 62 12. 14 16. 53 47. 58 106. 88	393 12, 537 46 2, 098 14, 681 358 587 1, 168 351	53, 616 549, 875 1, 150 49, 901 600, 926 6, 413 18, 674 61, 823 30, 990	136. 43 43. 86 25. 00 23. 79 40. 93 17. 91 31. 81 52. 93 88. 29	640 14, 673 98 2, 098	144, 323 1, 695, 120 9, 568 151, 663	

SPECIAL FEES

	Mileage	e or ton-mi	le taxes	R	eceipts tax	es	fees,	ise fees, cer and other us special	miscel-		pecial fees registration		All	fees and ta	ixes
Rated capacity	Num- ber of vehi- cles	Amount collected	A ver- age per vehi- cle	Num- ber of vehi- cles	Amount collected	Aver- age per vehi- cle	Num- ber of vehi- cles	Amount collected	Aver- age per vehi- cle	Num- ber of vehi- cles	Amount collected	A ver- age per vehi- cle	Num- ber of vehi- cles	Amount	Aver- age per vehi- cle
Tons															
Trucks and tractor trucks: 1½ and less. Over 1½ and less than 3 3 and less than 5 5 Over 5	$2,488\\1,732\\920\\198\\260$	\$119, 994 130, 398 116, 595 33, 485 79, 552	\$48. 23 75. 29 126. 73 169. 12 305. 97	$1,744 \\997 \\820 \\115 \\289$	\$47, 494 57, 605 72, 483 16, 567 69, 738	\$27.23 57.78 88.39 144.06 241.31	3, 976 2, 380 1, 316 211 112	\$76, 539 66, 926 53, 912 7, 731 7, 931	\$19.25 28.12 40.97 36.64 70.81	$\begin{array}{c} 6,338\\ 3,918\\ 2,536\\ 420\\ 634 \end{array}$	267, 447 274, 238 260, 228 60, 838 158, 750	\$42. 20 69. 99 102. 61 144. 85 250. 39		\$793, 574 749, 200 666, 611 141, 141 301, 544	\$117.48 180.01 248.18 328.23 471.16
Total classified Not classified by capacity ¹ Not segregated ² Undistributed fees ³	5, 598 46 551	480, 024 2, 158 35, 821	85.75 46.91 65.01	3, 965 2, 098	263, 887 23, 471	66.55 11.19	7, 995 46 2, 098 267	$213,039 \\ 56 \\ 13,500 \\ 10,680$	$26.65 \\ 1.22 \\ 6.43 \\ 40.00$	$13,846 \\ 46 \\ 2,098 \\ 551$	$1,021,501 \\ 2,214 \\ 36,971 \\ 46,501$	73.78 48.13 17.62 84.39	14, 673 98 2, 098	$2, 652, 070 \\11, 782 \\188, 634 \\46, 501$	180. 74 120. 22 89. 91
Total	6, 195	518,003	83.62	6,063	287, 358	47.40	10, 406	237, 275	22.80	16, 541	1, 107, 187	66.94	16, 869	2, 898, 987	171.85
Trailers and semitrailers: 1½ and less. Over 1½ and less than 3 3 and less than 5 5 Over 5	$204 \\ 235 \\ 256 \\ 40 \\ 156$	12, 043 12, 345 15, 402 4, 915 33, 987	59. 03 52. 53 60. 16 122. 88 217. 87	209 260 416 215 485	6, 775 13, 928 34, 851 27, 431 130, 032	32, 42 53, 57 83, 78 127, 59 268, 11	164 360 819 228 224	4,030 6,938 31,730 15,545 14,620	$\begin{array}{c} 24.\ 57\\ 19.\ 27\\ 38.\ 74\\ 68.\ 18\\ 65.\ 27 \end{array}$	$\begin{array}{r} 422\\652\\1,309\\456\\785\end{array}$	24, 632 36, 154 89, 358 54, 197 180, 947	58.37 55.45 68.26 118.85 230.51	452 682 1, 378 519 806	29, 261 51, 885 143, 806 78, 881 212, 496	64. 74 76. 08 104. 36 151. 99 263. 64
Total classified Undistributed fees ³	891 154	78, 692 7, 227	88.32 46.93	1, 585	213, 017	134.40	1, 795 154	72, 863 770	40. 59 5. 00	3, 624 154	385, 288 7, 997	$106.32 \\ 51.93$	3, 837	516, 329 7, 997	134. 57
Total	1,045	85, 919	82. 22	1, 585	213, 017	134.40	1, 949	73, 633	37.78	3, 778	393, 285	104.10	3, 837	524, 326	136.65

reported as of September 21, 1934, was 244,573. This is the figure for load-carrying vehicles, i.e., trucks, trailers, and semitrailers, but not tractor trucks.⁶

PAYMENTS BY PROPERTY CARRIERS ANALYZED

National totals and averages for contract and common carriers of property are given in tables 10 and 11, respectively. Certain items in these tables require explanation. In order to emphasize the fact that certain States exact higher registration fees from forhire carriers than from those privately owned and operated, the excess payments in those States have been tabulated separately. Total payments of registration fees, however, are also given. In order to show the total amounts paid in additional fees, special fees and

excess registration fees are tabulated together under the heading "Total special fees and excess registration fees"

In table 1 and in the discussion on page 191, attention was called to a group of contract and common carriers in Montana, Oklahoma, and South Dakota, which were not segregated from private carriers, although their payments of special fees were given separately. In tables 10 and 11 these vehicles are tabulated separately; and estimates have been made of their payments of gasoline taxes and registration fees on the basis of the average payments by other classes of trucks in Montana, Oklahoma, and South Dakota.

The special fees tabulated do not include all payments of such fees by for-hire carriers. Among the payments which could not be properly allocated were receipts

A.T.A. Registration Bulletin, Sept. 24, 1934; published by the American Truck ing Association

taxes paid by all for-hire carriers in Pennsylvania, tonmile taxes paid by for-hire carriers and certain classes of private carriers in Kansas, mileage taxes and privilege taxes in Tennessee, and certificates fees in Texas and New Mexico.

Payments of registration fees and special fees by forhire carriers in the individual States will be found in tables 14 and 15, where all such payments are tabulated. A few examples of average payments in different States will serve to illustrate the range in charges against forhire carriers.

Contract carriers.—Average payments of registration fees by contract-carrier trucks ranged from \$10.24 in Virginia to \$89 in Ohio. Average payments of all fees and taxes varied from \$55 in Missouri to \$256 in Nevada. As in the case of privately operated trucks, the average payments in most States increased rapidly with the size of the vehicle. Thus, average payments of registration fees by trucks of 1½ tons capacity and less varied from \$8.79 in Virginia to \$41 in Oregon. For trucks of more than 5 tons capacity the range was from \$35 in Massachusetts to \$313 in Iowa. For all fees and taxes, payments in the light-tonnage group varied from \$42 in Missouri to \$214 in Florida, and those in the heavytonnage group from \$163 in Massachusetts to \$759 in Kentucky.

Common carriers.—Average payments of registration fees by common-carrier trucks varied from \$13.56 in Missouri to \$84 in Oregon; and of all fees and taxes, from \$99 in Missouri to \$445 in Florida. The range of average payments by trucks of 1½ tons capacity and less was as follows: in registration fees, from \$10.50 in Missouri to \$47 in Idaho; in all fees and taxes, from \$70 in Colorado to \$408 in Florida. In the case of the heaviest capacity group (5 tons or more) registration fees varied from \$33 in Missouri to \$337 in Iowa, and all fees and taxes from \$276 in Louisiana to \$1,031 in Minnesota.

COMPARISON OF FEES REQUIRED FOR TYPICAL COMMON-CARRIER TRUCK OPERATION

The average payments by common carriers, as reported, do not accurately reflect the differences in tax rates among the States. Even if the bases and rates of taxation were the same for all States, average payments would vary because of such factors as differences in the frequency of part-year registrations, average mileage traveled, the volume of business, and the proportion of light and heavy trucks.

A few examples of the total legal payments required of a typical common-carrier truck operating under a given set of conditions will serve to illustrate the extreme range in taxation. In this computation we assume a truck of 5 tons capacity, operating 15,000 miles per year. Table 4 gives the net weight of such a truck as approximately 11,700 pounds and the gross weight as 21,700 pounds. The assumed gasoline consumption, at 5 miles per gallon, is 3,000 gallons. Comparative figures have been computed for the States of Florida, Michigan, Kansas, and New York.

This common-carrier truck would have paid fees at the following rates in the four States in 1932:

Florida: Registration fces at \$2 per 100 pounds gross weight, a gasoline tax of 7 cents per gallon, and a mileage tax of 2 cents per mile.

Michigan: Registration fees at \$1.25 per 100 pounds net weight, a gasoline tax of 3 cents per gallon, and a public utility permit fee of \$1 per 100 pounds net weight.

Kansas: Registration fees of \$100, a gasoline tax of 3 cents per gallon, and a ton-mile tax of 0.5 mill per gross ton-mile, gross tonnage being twice the capacity plus net weight.

New York: Registration fees of 80 cents per 100 pounds net weight (same rate for all classes), and a gasoline tax of 2 cents per gallon until March 1 and 3 cents after that date. On the basis of the reported tax-earned gallonage, the average rate for the year was 2.86 cents.

The rates in Florida would have resulted in the following payments for the truck specified:

A	*	
Registration fees	\$434	
Gasoline tax		
Mileage tax	300	
Total	944	

Total payments in the four States, computed in this manner, are as follows:

Florida	\$944.00
Michigan	$353.\ 25$
Kansas	308.88
New York	179.40

DISPOSITION OF STATE MOTOR-VEHICLE FUNDS

In table 12 there is given an analysis of the purposes to which funds derived from State motor-vehicle fees and gasoline taxes were devoted in 1932. No data of this character were obtained in the survey; but the regular motor-vehicle and gasoline-tax tables published annually by the Bureau (table MV-2 and table G-1) give the disposition, according to State laws, of the funds reported each year by the States. Table 12 was made up by combining the data on disposition of funds given in these two tables for the year 1932. Various small differences exist between the data given in table MV-2, 1932, as published in 1933, and the data obtained in this survey. Only a part of the special fees paid by for-hire carriers were included in the earlier tabulation; and on the other hand, certain items such as dealers' licenses and fines and penalties were included in table MV-2 and omitted from the survey. The gasoline-tax table also includes certain miscellaneous receipts not carried in the survey totals. These differences tend to balance, with the result that the total given in table 12, \$838,412,410, differs very little from the total of State fees and taxes, \$838,830,978, obtained as a result of this survey

A total of \$20,383,242 was allotted from the motorvehicle and gasoline-tax receipts for costs of collection and administration. This is not the total expended for these purposes, as a number of States make special appropriations for administration or pay collection costs out of other funds. The total also includes certain special items, such as reserves for refunds of gasoline tax, which enter largely as a matter of bookkeeping.

The sum of \$457,700,193, or 54.59 percent of the total, was assigned to the State highway departments for construction and maintenance of State highways and bridges. In addition, \$64,779,967 was devoted to the payment of interest and retirement charges on State highway bonds. The amount thus allotted to State highways was 62.32 percent of the total motor-vehicle and gasoline-tax receipts.

County and local road administrations were allotted \$170,038,290, or 20.28 percent, and \$25,286,375, or 3.02 percent, was assigned for interest and retirement of county road bonds.

The amount allocated for expenditure on city streets was \$18,144,645, or 2.16 percent of the total.

Other items allocated to construction and maintenance of roads and bridges were \$1,039,904, assigned in Massachusetts to the Metropolitan District Commission for the construction and maintenance of park boulevards, and \$196,000, assigned to the New Jersey Free Bridge Commission. Two additional items may

	For collec-		nnce on ru-	For highw	yay bonds	For city	For State	For other purposes	For purpe	oses not rela	ted to roads	or streets	Total motor- vehicle
State	adminis- tration ²	State high- ways	Local roads	State highway bond payments	County road bond payments	streets	highway patrol	related to roads and streets	Schools	Unem- ployment relief	To g ener al funds ³	Other purposes	fees and motor-fuel taxes 4
Alabama	\$149,450	\$3, 475, 321	\$3, 570, 714	\$2, 843, 809;									\$10, 039, 294
Arizona	174, 797	2, 426, 570	1,008,622										3, 609, 989
Arkansas	194, 726	1,025,164	1,048,828	3, 969, 138									7,960,999
California	1,664,862		14, 990, 429				\$1, 817, 590					\$ \$31, 967	45, 520, 220
Colorado	158,272 1,032,587	4,710,625 11,653,875	2, 385, 057			\$162, 249							7, 416, 203
Delaware		1, 247, 527		478, 779	382, 240	*******							12, 686, 462 2, 108, 546
Florida	350, 266	6, 220, 638	864	1	6, 218, 047				\$4, 937, 001		\$2,072,683		19, 799, 499
Georgia	4,200	11, 590, 657	1, 989, 102						1, 989, 101		191, 277		15, 764, 337
Idaho	96, 165	2, 128, 586 24, 002, 038	1, 341, 912	328, 751									3, 904, 556
Illinois	182,098 395,678	24,002,038 18,117,949	12,023,984 3,124,126	8, 362, 613		1,041,375	1,150,000 150,962						45, 720, 733
Iowa	619,859	14, 548, 787	3, 498, 780		1,600,000	1,041,575	100, 902				7 373, 399		22, 830, 090 20, 640, 825
Kansas.	214, 264	9, 045, 212	3, 600, 000								010,000		12, 859, 476
Kentucky	438, 834	11, 837, 945	579,964										12, 856, 743
Louisiana	139,000	6, 914, 205		3, 707, 375					830, 072				12, 420, 724
Maine	478, 450 357, 639	2,769,091 8,414,384	2, 116, 239	1, 704, 910		2, 103, 595	142, 324						7, 211, 014
Massachusetts	1, 568, 341	19,636,155		495, 496		2, 105, 595	312,028	10\$1, 039, 904					10, 950, 618 23, 086, 924
Michigan	1,067,592	23, 392, 187	11, 335, 287	4, 082, 059			389, 914	φ1, 000, 001				12 25, 668	40, 296, 322
Minnesota	315, 210	12, 996, 555	3, 333, 519	423, 950	2, 996, 223						56, 797		20, 122, 254
Mississippi	219, 262	2, 978, 798	4, 229, 487	339, 053				13 215, 103					7, 981, 703
Missouri	658, 289 75, 728	13, 196, 941 2, 513, 150	1, 250, 047	4,919,027 56,134								14.00.0771	18, 774, 257
Montana Nebraska	117,856	6, 819, 738	1, 250, 047 4, 221, 023	00, 134								14 89, 271	3, 984, 330 11, 158, 617
Nevada	30, 541	977, 177	1, 221, 020	: 114, 839									1, 122, 557
New Hampshire	257, 103	3, 826, 124		659,710									4, 742, 937
New Jersey	377, 201	9,671,794	7, 310, 000	1, 260, 000		5, 000, 000	¹⁵ 66, 880	16 196, 000		\$8, 116, 024.		17 90,000	32, 087, 899
New Mexico	99, 071 960, 760	1, 324, 258 22, 417, 669	281, 363 15, 901, 228	1, 170, 168						11, 430, 432	105, 511		2, 980, 371 83, 852, 628
New York	379, 501	3, 111, 319	6, 417, 508	8, 453, 741	484, 635		151, 424	19 124, 587		11, 430, 432	¹⁸ 33,142,539 229,018		19, 351, 733
North Dakota	98,015	2, 227, 730	1, 311, 379	0, 100, 711	101,000		101, 121				220, 010		3, 637, 124
Ohio	685, 532	23, 872, 054	21, 683, 703			6, 452, 862							52, 694, 151
Oklahoma	186,073	9, 139, 670	5, 124, 809								21, 181		14, 471, 733
Oregon	391,894	5, 866, 699	1, 473, 581	4, 128, 172			279,000						12, 139, 346
Pennsylvania	2, 636, 670 278, 193	46, 188, 457 2, 705, 120	5,056,398	6,044,150 285,331			690, 955						60, 616, 630 4, 041, 220
South Carolina	65, 900	2, 228, 351	772, 576	93, 027	5, 096, 353		174.278						8, 695, 397
South Dakota	111, 556	3, 405, 398	1,890,684										5, 407, 638
Tennessee	206, 757	6, 840, 098	3, 458, 305	1,902,067	1, 729, 153						1, 729, 153		16,057,454
Texas		22, 105, 583	8, 402, 797		2, 203, 177								40, 218, 757
Utah Vermont	69, 663	2, 167, 352 3, 808, 061		737, 500									2, 974, 515 4, 093, 061
Virginia	385, 883	13, 421, 704	3, 242, 880	200,000									17, 050, 467
Washington	605, 628	9,957,797	2, 582, 832										13, 226, 057
West Virginia	199, 849	1, 156, 909		7, 657, 168									9,013,926
Wisconsin	822, 206	11, 141, 318	8,088,269	070.000	2, 853, 404	597, 360					20 1, 727, 166		25, 229, 723
Wyoming Dist, of Columbia.	120, 560	1, 462, 081	354, 506	278, 000		21 2, 787, 204							2,094,557 2,907,764
Dist. of Conumbia.	120,000					2,101,204							
Total	20, 383, 242	457, 700, 193	170,038,290	64, 779, 967	25, 286, 375	18, 144, 645	5, 597, 076	1, 575, 594	14, 522, 113	19, 546, 456	39, 652, 339	1, 186, 120	838, 412, 410
Percentage distri-	0.40	F (70	00.00		0.00	0.10	0.07	0.10	1 70	0.00	4.73	0.14	100.00
bution	2.43	54.59	20.28	7.73	3.02	2.16	0.67	0.19	1.73	2.33	4.73	0.14	100.00
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TABLE 12.—Disposition of funds obtained from State taxation of motor vehicles in 1932 1

¹ This table was made up from the annual tables published by the Burean, table MV-2, motor vehicle receipts, 1932, and table G-1. State gasoline taxes, 1932. Many of the notes accompanying these tables have been omitted, and the reader is referred to them for more detailed description of the items in this table.
² Many States pay collection cost from other State funds; for details see table MV-2 and table G-1. Administration cost includes balances allocated to reserve funds for administrative purposes.
³ To State general fund unless otherwise noted.
⁴ The totals given in this column are the sum of the total gross receipts from motor-vehicle taxes, \$324,273,510, as given in table MV-2, 1932, and the grand total earnings under the gasoline-tax laws, \$514,138,900, as given in table G-1, 1932. The latter sum includes \$1,091,661 of receipts under gasoline-tax laws other than gasoline taxes paid by the function of the taxes paid by the second state secon

der the gasonne-tax laws, sol4, las, 900, as given in table G-1, 1932. The latter sum includes \$4,0 for vehicles.
Expenses of transportation of tax division of board of equalization.
A viation fund collected from aviation gasoline tax.
To county general fund.
To boards of commissioners of ports of New Orleans and Lake Charles Harbor.
To county general fund.
To metropolitan district commission for construction and maintenance of park boulevards.
For motor-vehicle liability insurance expenses.
For maviation gasoline tax allocated to aeronautics fund.
For sea walls protecting roads.
For free bridge commission.
To State traffic commission.
To department of commerce and navigation.
To department of commerce and navigation.
To department of commerce and navigation.
For includes \$1,486,937 to New York City general fund.
For county general fund in lieu of personal property taxes on motor vehicles.
Includes \$105,996 for traffic signals.

be regarded as related to highway construction and maintenance. In Mississippi \$215,103 was allotted for carrying charges on bonds issued for the construction of sea walls which serve, in part, at least, to protect highways. Of this amount, \$117,817 was derived from a special gasoline tax levied for this purpose in three counties. In North Carolina \$124,587 was used to defray the expenses of prison camps maintained in connection with convict labor on roads.

Traffic control claimed a share of the motor-vehicle taxes. Twelve States assigned funds to the support of the State highway patrols; in addition, New Jersey allotted \$66,880 to the State traffic commission. The amount specifically assigned to traffic control, \$5,597,-076, was 0.67 percent of the total motor-vehicle fees and gasoline taxes

A total of \$74,907,028, or 8.93 percent, was devoted to purposes not related to roads and streets. Four

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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	busses owned and operated ⁵	Contract carrier	Common carrier	All trucks and tractor trucks	Privately owned and operated 5	Contract Corrier	Common carrier	All trail- ers and semi- trailers	All vehicles	Motor- cycles	vehicles includin motor- cycles
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} & \begin{array}{c} & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ $	536 536 536 1,783 1,783 987 987 155 986 1,090 1,021 1,021 1,021 1,021 1,021 1,030 1,040	$\begin{array}{c} 31, 575\\ 233, 1575\\ 233, 1577\\ 219, 687\\ 233, 1777\\ 219, 687\\ 233, 1777\\ 219, 686\\ 51, 3388\\ 35, 955\\ 1177, 880\\ 38, 955\\ 38, 955\\ 1177, 880\\ 1177, 880\\ 217, 7778\\ 217, $	$\begin{array}{c} 4,056\\ 1,803\\ 2,256\\ 2,256\\ 2,256\\ 3,256\\$	6 472 56 56 56 56 56 56 56 56 56 56 56 56 56	238 238 238 238 238 238 238 238 238 238		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	223 232 232 233 233 233 233 233	230 2975 2975 2975 2975 2975 2975 2925 2925
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1127 1127	2, 387 2, 387 6, 3, 056 4, 790 1, 790 1, 890 1, 192 7, 129 6, 4, 884 6, 4, 884	701 701 130 406 1,120 1,120 1,120 1,120 1,146 202 202 202 202 146 1412 1442 146 146 146 146 146 146 146 146 146 146		$\begin{array}{c} 13, 738\\ 7, 339\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 555\\ 7, 566\\ 1, 007\\ 4, 210\\ 1, 661\\ 1, 661\\ 1, 661\\ 1, 15\\ 6, 15\\ 1,$	\$22 386 521 (\$ 382 521 167 167 167 167	404 404 (8) 110 128 139 130 133 133	$\begin{array}{c} 13, 788\\ 3, 885\\ 8, 885\\ (8), 886\\ (8), 7, 7, 555\\ 7, 7, 7, 7, 555\\ 8, 832\\ 8, 832\\ 8, 832\\ 8, 832\\ 3, 234\\ 9, 10\\ 1, 1061\\ 1, 1660\\ 1, 1660$	$\begin{array}{c} 2265, 2565, 257, 2545, 2591, 2584, 2591, 2584, 2591, 2584, 2592, 2694, 2694, 2694, 2963, 2963, 2963, 2963, 2963, 2975, 2973, 2594, 2973, 2594, 2974, 2954, 2922, 2924, 2494, 6107, 2954, 2924, $	11, 568 1, 140 5, 6690 6, 6690 8, 6690 8, 6690 8, 6690 8, 6690 8, 6690 8, 6690 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	2, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,

¹ Includes taxicabs and other for-hire cars in those States not reporting these vehicles separately, with the exception of which reported these vehicles separately.
² Publicly owned school busses, tax-exempt or paying only nominal fees, not included.
⁴ Includes all busses reported in those States not reporting such vehicles by class of service.
⁵ Includes for-hire carriers in those States which did not separate these vehicles by class of service.
⁶ Includes for-hire carriers in those States not reporting such vehicles separately.
⁶ Includes for hire carriers in those States not reporting such vehicles separately.
⁸ Full trailers not permitted by law; semitrailers included with trucks.
⁸ No registration of trailers in 1932.

All	vehicles, including motor- cycles	 (3) 099, 491 (3) 737 (4) 732 (5) 737 (5) 731 (5) 733 (5) 733 (5) 733 (6) 739 (7) 733 (7) 734 (7) 734 (7) 734 (7) 733 (7) 734 (7) 734 (7) 733 (7) 734 (7) 734 (7) 734 (7) 733 (7) 734 (7) 733 (7) 734 (7) 733 (7) 734 (7) 734 (7) 734 (7) 734 (7) 734 (7) 735 (7) 734 (7) 735 (7) 734 (7) 735 (7) 735	
	Motor- cycles	\$2,068 \$2,088 \$2,088 \$2,088 \$2,088 \$2,088 \$2,015 \$2,016<	
	All vehicles	\$5,097,423 \$5,097,423 \$5,89,065 \$5,89,065 \$5,71,553 \$5,89,065 \$5,71,553 \$5,89,065 \$5,75,624 \$5,755 \$5,326,715 \$5,338 \$5,326,715 \$5,338 \$5,532,83,735 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,816,577 \$5,938 \$5,816,577 \$5,938 \$5,826,738 \$5,956 \$5,956,758 \$5,956 \$5,956,758 \$5,956 \$5,956,758 \$5,956 \$5,956,758 \$5,956 \$5,956,758 \$5,956 \$5,956,758 \$5,956 \$5,956,758 \$5,956 \$5,956,758 \$5,956	
10	All trail- ers and semi- trailers		
emitrailer	Common carrier	\$\$2, 258 \$\$2, 258 \$\$2, 190 \$\$6, 190 \$\$1, 714 \$\$2, 353 \$\$1, 714 \$\$2, 538 \$\$553 \$\$2, 538 \$\$553 \$\$533 \$\$533 \$\$533 \$\$533 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$535 \$\$546 \$\$570 \$\$570 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 \$\$575 <	
Trailers and semitrailers	Contract carrier	\$18, 705 1, 400 1, 1496 1, 1496 3, 055 3, 055 3, 055 3, 055 559 529 529 529 529 529 529 529 529 529 529 529 529 529 7, 758 23, 866 7, 689 7, 689 23, 886 253 254 255 32, 806 32, 806 32, 806 32, 806 7, 538 253 254 255 258 258 258 258 258 258 258 258 258 258 258 <td< td=""><td></td></td<>	
Tr	Privately owned and operated	\$36,065 \$36,065 \$36,065 \$30,660 \$37,000 \$5,700 \$5,700 \$5,770 \$5,771 \$5,771 \$5,771 \$5,771 \$5,771 \$5,771 \$5,772 \$5,773 \$5,771 \$5,772 \$5,773 \$5,772 \$5,773 \$5,771 \$5,773 \$5,772 \$5,773 \$5,773 \$5,772 \$5,773 \$5,776 \$5	
cks	All trucks and tractor trucks	 \$614, 510 \$614, 510 \$2556, 9436 \$384, 631 \$384, 631 \$384, 634 \$384, 634 \$1, 484, 631 \$1, 222, 960 \$1, 100, 729 \$364, 337 \$364, 347 \$364, 347 \$364, 346 \$457, 329 \$1, 455, 329 \$1, 711, 910 \$100 \$1, 136, 555 \$5, 600 \$384, 500 \$384, 500 \$1, 136, 555 \$5, 910 \$384, 500 \$384, 500 \$384, 500 \$421, 650 \$422, 669 \$421, 650 \$422, 669 \$422, 669 \$422, 669 \$422, 669 \$423, 669 \$424, 669 \$424, 669 \$422, 669 \$422, 669 \$422, 669 \$423, 669 \$423, 669 \$424, 669 \$427, 970 \$432, 700 \$386, 500 \$443, 816 \$443, 816 \$443, 816 \$443, 816 \$444, 816 \$445, 816 \$445, 816 \$446, 816 \$444, 816 \$446, 816 \$444, 816	
ractor true	Common carrier	$\begin{array}{c} 8.1, 940\\ 2.1, 649\\ 3.4, 308\\ 3.4, 336\\ 3.4, 308\\ 3.4, 306\\ 15, 134\\ 15, 124\\ 15, 124\\ 15, 124\\ 15, 124\\ 15, 125\\ 16, 099\\ 4, 999\\ 4, 999\\ 4, 999\\ 4, 999\\ 4, 999\\ 10, 600\\ 10, $	
Trucks and tractor trucks	Contract carrier	$\begin{array}{c} 865, 377\\ 7, 145\\ 7, 145\\ 70, 889\\ 43, 191\\ 105, 203\\ 105, 203\\ 105, 203\\ 105, 203\\ 105, 203\\ 105, 203\\ 105, 203\\ 105, 203\\ 205, 942\\ 205, 942\\ 205, 942\\ 205, 942\\ 205, 942\\ 10, 158\\ 10, 158\\ 10, 158\\ 10, 158\\ 10, 158\\ 10, 158\\ 10, 158\\ 10, 158\\ 10, 158\\ 10, 100\\ 1128\\ 10, 100\\ 1128\\ 10, 100\\ 100\\ 100\\ 100\\ 100\\ 100\\ 100\\$	
Tri	Privately owned and operated	\$612,570 2533,459 533,459 533,459 553,459 1,484,505 1,222,950 1,000,291 1,222,950 1,000,509 3,840,349 3,847,318 1,455,292 1,455,292 1,455,292 1,455,292 1,455,292 1,455,292 1,455,292 1,455,292 1,455,292 1,455,292 1,455,292 1,455,292 1,455,215 1,005,408 3,857,310 1,455,212 1,455,215 1,455,215 1,171,451 1,455,212 1,171,451 1,171,451 1,171,451 1,171,451 1,171,451 1,171,451 1,171,451 1,171,451 1,171,451 1,171,451 1,171,451 1,171,172 3,372,126 3,371,172 3,372,127 4,027,755 4,037,173 4,037,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,371,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 3,377,173 	
	All busses	$\begin{array}{c} \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$$	
ses	Public carrier	$\begin{array}{c} \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$$	
Busses	Contract, including sight- seeing	\$83, 921 \$83, 921 \$83, 921 \$6, 533 \$11, 332 \$6, 533 \$11, 332 \$6, 533 \$20, 751 \$34, 293 \$14, 881 \$14, 881 \$1, 907 \$2, 822 \$1, 346 \$2, 822 \$1, 346 \$2, 822 \$1, 346 \$2, 822 \$1, 346 \$2, 822 \$1, 346	
	School	26, 884 \$60 26, 884 1, 285 4, 709 1, 285 1, 285 1, 285 20, 550 33, 165 33, 155 34, 1915 4, 915 20, 580 38, 600 3, 282 93, 284 3, 733 8, 600 1, 565 1, 565 1, 565 211, 633 211, 633	
co.	All passenger cars	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Passenger cars	Taxicabs and other for-hire cars	$\begin{array}{c} \$19, 160\\ 2, 847\\ 7, 910\\ 5, 628\\ 5, 8312\\ 5, 8312\\ 5, 8312\\ 5, 8312\\ 5, 8312\\ 5, 8312\\ 5, 8, 975\\ 7, 1, 345\\ 29, 939\\ 42, 339\\ 43, 339\\ 43,$	
H	Private cars	 274, 944, 936 279, 809 5, 2094, 9628 5, 2094, 9628 5, 2094, 9628 6, 22, 0799, 9628 6, 6, 2079 4, 165, 748 4, 164, 11, 192, 2121, 194 11, 193, 133 11, 193, 233 11, 133, 650 11, 133, 650 213, 337, 330 213, 337, 330 	
	State	Alabama Alabama Arizona. Arizona. Arizona. Arizona. Arizona. Arizona. Arizona. Arizona. Arizona. Connecticut. Delaware. Georgia. Indiana. Georgia. Anane. Anane. Maris	

¹ Payments tabulated correspond to numbers of vehicles listed in table 13, except where noted. ² Public-carrier busses and common carriers of property in California were not required to pay registration fees, a receipts tax being imposed in lieu, thereof. The figures given are estimated payments by 30 public-carrier busses. The common-carrier trueks, and 15 common-carrier trailers and semitrailers, which were adjudged common or public earriers for a part of their operations. * Public-carrier busses and common carriers of property in these States were not required to pay registration fees, but paid passenger-mile and ton-mile taxes, respectively, in lieu thereof.

TABLE 14.-State registration fees ¹ imposed on motor vehicles of different types and classes of service in 1932

TABLE 15.-Special State fees and taxes imposed on motor vehicles (chiefly for-hire carriers) in 1932; tabulated for each State by type of vehicle and class of service

					Busses			Contrac	t carriers of j	property
State	Taxicabs cars fo		Contract, i sight-se	ncluding eing	P	ublic-carrier		Trucks	and tractor	trucks
	Receipts taxes	Other special fees ¹	Mileage, ton- mile or pas- senger-mile taxes	Other special fees ¹	Mileage, ton- mile or pas- senger-mile taxes	Receipts taxes	Other special fees ¹	Mileage or ton-mile taxes	Receipts taxes	Other special fees ¹
Alabama					\$20, 620		\$350			
Arizona	\$2,791					\$13, 835				
Arkansas.						8,795			\$26, 669	
California Colorado					28, 349	411,072		\$16, 981		\$254
Connecticut					20, 040	180, 867		φ10, 501		4-20
Florida			\$2,489		54,466	100,007		18, 166		
Georgia		2 \$4, 988			52,706		13, 175	3,666		2, 381
Idaho						4, 399				
Iowa					188, 873					38,060
Kentucky					54,067		2,690	50, 960		39,760
Maryland					175, 694					
Michigan				~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			64,736 425			71, 35-
Minnesota					2, 858		420			
Mississippi Missouri					4,000		36, 715			
Montana							710			2,970
Nevada		2,170					17,910			23, 223
New Jersey		=, 110			3 79, 802					
New Mexico					32, 393		(4)			
North Carolina						30,658				
North Dakota		815		\$302			652			
Ohio							92,019			5 171, 84-
Oklahoma			337	38	66, 661		500	67, 330		5, 58
Oregon				4, 324	86, 453					180, 888
South Carolina South Dakota					28, 896	4,200	500			4,820
Tennessee 6		12,063			72,288	4,200	18, 773			4, 020
Texas		12,000			12,200		21,271			4 14. 97.
Utah			6,232		47,968			6,013		
Virginia.						50,897				
Washington						34, 166				
West Virginia					149,662					
Wisconsin					53, 884		22, 265	(7)		(7)
Wyoming					10, 365	~ =	1,905	297		15
District of Columbia		95,074		3,650	47, 726					
Total	2, 791	115, 206	9,058	8, 314	1, 253, 731	738, 889	294, 596	163, 413	26, 669	556, 26

Includes franchise or special license fees, privilege taxes, permit fees, fees for certificates of convenience and necessity, etc.
 Occupation tax paid by "U-Drive-It" car companies.
 Mileage tax on interstate busses only.
 Payments of certificate fees included with undistributed fees.
 See column headed "Undistributed fees, etc." for payments by out-of-State property carriers.
 Payments of mileage tax, privilege tax, and inspection fees by property carriers given in column headed "Undistributed fees, etc."
 See column headed "Undistributed fees, etc."

States-Florida, Georgia, Louisiana, and Texas-allotted motor-vehicle or gasoline-tax funds to the support of schools, the total amount being \$14,522,113. New Jersey and New York devoted funds aggregating \$19,546,456 to unemployment relief. A total of \$39,652,339 in 11 States was paid into general funds, chiefly those of the States. In Louisiana \$830,072 was allocated to the boards of commissioners of the ports of New Orleans and Lake Charles Harbor, for use in payment of principal and interest on bonds and other payments in connection with the establishment of port facilities. The remaining items were small in amount, and were either of an administrative character or were offsets against the taxation of gasoline used for other than motor-vehicle purposes.

DIVERSION OF FUNDS GREATER IN 1933

The tendency toward the use of motor-vehicle and gasoline-tax receipts for purposes not related to highways was more strongly in evidence in 1933 than in 1932. A total of \$17,568,505 was allocated to the support of schools; \$29,997,563 was devoted to the relief of unemployment or other emergency relief; and \$32,971,664 was paid into State, county, and municipal general funds. Nearly \$10,000,000 was expended in the financing of debt obligations not related to highways, including \$1,100,000 transferred to the real estate

bond payment fund in North Dakota, \$2,262,625 devoted to retirement of State warrants in Oklahoma, \$4,042,235 paid on State debt obligations in Pennsylania, \$1,404,569 in payments on rural credit bonds in South Dakota, and \$869,057 in payments on State emergency relief bonds in Washington. The sum of \$950,695 was devoted to harbor improvements and other purposes related to navigation.

The total of the items listed above is \$91,166,913, which is 11.1 percent of the total receipts in 1933 from State motor-vehicle fees and gasoline taxes, \$822,097,-515. In addition to these specific diversions there were miscellaneous items aggregating \$3,065,002, a number of which were largely administrative in character. If these are added the total funds devoted to purposes not related to roads and streets in 1933 are found to have been \$94,231,915.

REGISTRATIONS AND RECEIPTS BY STATES TABULATED

The greater part of the foregoing discussion of State taxation of motor vehicles in 1932 was based on figures for the country as a whole, as it was impossible in the space available to give complete figures for individual States. In tables 13, 14, 15, and 16 registrations and payments of fees are given for each State. Table 13 lists all vehicles registered and tax-paid, by type of

TABLE 15.—Special State fees and taxes imposed on m	notor uehicles	(chiefly for-hire carriers) in	n 1932; tabulate	d for each State by type
of vehicle	e and class of	service-Continued		

State Industs and semintraters Intext and tractor tracks Intering and semintraters Itel des.		Contract c	arriers of Continued.			Co	mmon carrie	rs of propert	У			
Mileage or ton-mile taxes Receipts special taxes Other special taxes Nileage or ton-mile taxes Nileage or ton-mile taxes Receipts special taxes Other special taxes Other special taxes Nileage or ton-mile taxes Receipts special taxes Other special taxes Nileage or ton-mile taxes Receipts special taxes Other special taxes Nileage or ton-mile taxes Receipts special taxes Other taxes Nileage or ton-mile taxes Receipts special taxes Other taxes Nileage or ton-mile taxes Nileage or ton-mile taxes Other taxes Nileage or ton-mile taxes Nileag	State	Trailers	s and semit	railers	Trucks	and tracto	or trucks	Trailer	s and semi	uted fees,	All special fees and taxes	
Arizona S20, 743 S13, 340 S2, 544 S2, 544 S2, 544 S2, 544 S2, 564 S2, 565 S2, 564 S2, 565 <th></th> <th>ton-mile</th> <th></th> <th>special</th> <th>ton-mile</th> <th></th> <th>special</th> <th>ton-mile</th> <th></th> <th>special</th> <th></th> <th></th>		ton-mile		special	ton-mile		special	ton-mile		special		
Arkansas \$20,743												\$24, 785
						\$13, 340			\$2, 544			32, 510
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			\$20,743									56, 207
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				0.00	24.021		9 100					740, 965 92, 985
		Φ2, 011		\$30	34,931		2, 108	\$7,708		\$241		180, 867
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		1 605			44 039			8 480				130, 138
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		456		360				16 557		7 144	8 \$7 527	189,033
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				000	04,111		21,020	10,007		*, ***	414 CH1	9,418
Kansas				1.585	91.265	1, 110					⁹ 20	319, 803
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Kansas										10 186, 153	186, 153
Michigan 36, 734 $57, 934$ $57, 934$ $51, 797$ 222 2214 1, 1, 886 4, 1, 052 98, 00 <td< td=""><td>Kentucky</td><td></td><td></td><td></td><td>27,577</td><td></td><td>5, 150</td><td></td><td></td><td></td><td></td><td>180, 204</td></td<>	Kentucky				27,577		5, 150					180, 204
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Maryland				67,758							243, 452
Mississippi.							57,934			51, 797		282, 555
Missouri							661			214		1, 300
Montana											11 1, 886	4,744
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							50, 321			11,052		98, 088
New Jersey 10, 130 10, 130 10, 130 112, 927 12, 927 45, 300 North Dakota 7, 950 30, 083 4, 135 1328, 316 50, 300 Oklahoma 7, 950 32, 825 16, 405 1328, 316 30, 083 Oregon 7, 453 99, 785 15, 416 1328, 316 30, 083 South Carolina 6, 283 2, 863 1433, 946 33, 946 33, 946 South Carolina 6, 283 23, 471 13, 500 1611, 234 1611, 234 1629, 986 162, 988 99, 700 Utah 46 46, 662 46, 662 17, 307 97, 950 1611, 234 1611, 234 1611, 234 1629, 988 64, 4692 610 5, 333, 774 99, 286 64, 423 17, 307 97, 700, 700, 700, 700, 700, 700, 700, 7												4,480
New Mexico							13, 545			800		79, 80:
North Carolina. 22, 329 22, 329 22, 329 30, 083 30, 083 4, 135 5, 300, 083 30, 083 4, 135 5, 300, 083 13 28, 316 300, 083 300, 083 4, 135 5, 300, 083 13 28, 316 300, 083 300, 083 4, 135 5, 300, 083 14 33, 946 300, 083 14 33, 946 300, 083 180, 000 394, 185 180, 000 394, 185 180, 000 300, 083 180, 000 300, 083 180, 000 300, 083 180, 000 300, 083 180, 000 300, 083 300, 083 180, 000 300, 083 300, 083 180, 000 300, 083 300, 083 180, 000 300, 083 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(12)</td> <td>145</td> <td></td> <td>(12)</td> <td>12.9.097</td> <td>45, 593</td>							(12)	145		(12)	12.9.097	45, 593
North Dakota					10, 130	20.000	(12)			(**)	1. 2, 921	83,070
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						30,083	4 135		22,020			5, 90
Oklahoma. , , , , , , , , , , , , , , , , , , ,							4, 100				13 28, 316	300, 129
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					32, 825		16.405					189, 677
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					99, 785			15, 416				394, 41
South Dakota 23, 471 13, 500 46, 62 Tennessee 16 11 16 11, 234 16 22, 898 135, 700 Utah 46 4, 692 610 5, 333 64, 602 Washington 46, 364 17, 307 97, 307 97, 307 97, 307 Wisconsin 9, 296 33, 897 2, 044 17 248, 588 423, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26	Pennsylvania										14 33, 946	33, 946
Tennessee 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 209 10 209 10 20					6, 283			2,863				38,04
Texas 10 11 11 1 10 11 10 11 234 10 209 10 22,898 70, Utah 46 3,594 4,692 610 64, 64, 64, Washington 46,364 17,307 97, 97, 149, 149, 149, Wisconsin 9,296 9,296 4,161 243 666 17,248,588 423, District of Columbia 9,296 9,296 4,161 243 666 16,243						23,471	13,500					46, 49
Ata Ata <td></td> <td>135,073</td>												135,073
Virginia 0 5, 333 60, 000 Washington 46, 364 17, 307 97, 307 West Virginia 33, 774 29, 226 33, 897 2, 044 17 248, 588 423, 266 Worming 9, 296 4, 161 243 66 26, 266 26, 266 District of Columbia 90, 296 4, 161 243 66 26, 266				16 11						10 209	10 22, 898	70, 598
Washington 46, 364 17, 307 97 West Virginia 33, 774 29, 226 33, 897 2, 044 17 248, 588 423, 266 Wyoming 9, 296 4, 161 243 66 26, 266 26, 266 District of Columbia 9, 296 9, 296 4, 161 243 149, 96					3, 594			610				60, 92
West Virginia 29, 226 33, 897 2.044 17 248, 588 423, 266 Wyoming 9, 296 4, 161 243 66 26, 266 District of Columbia 149, 243 149, 243 149, 243 149, 243												97, 83
Wisconsin 33,774 29,226 33,897 2.044 17 248,588 423, Wyoming 9,296 4,161 243 66 26, 26, District of Columbia 9,296 9,296 14,161 243 14,161 146,						40, 504			11,007			149, 665
W yoming. District of Columbia. 0, 296							29 226	33, 897		2.044	17 248, 588	423, 678
District of Columbia.												26, 48
							, 101					146, 450
Teatol 1 4 418 20 742 57 984 518 002 297 258 27 275 85 010 212 017 72 822 561 212 5 230	Total	4, 418	20, 743	57, 284	518,003	287.358	237, 275	85, 919	213,017	73, 633	564, 212	5, 230, 79

¹ Includes franchise or special license fees, privilege taxes, permit fees, fees for certificates of convenience and necessity, etc.
⁶ Occupation tax on trucks operated by gas and oil companies.
⁹ Franchise fees imposed on 4 motorcycles operating as contract carriers.
¹⁰ Total payments of ton-mile tax by carriers of persons and property; not allocated by class of service.
¹¹ Payments of mileage taxes by trucks not classified by class of service.
¹² Payments of franchise fees and corporation taxes by out-of-State carriers of property.
¹³ Payments of receipts taxes by for-hire carriers of persons and property; not allocated by class of service.
¹⁴ Payments of receipts taxes by one-of-State carriers of property.
¹⁵ Payments of receipts taxes by orbit carriers of persons and property; not allocated by class of service.
¹⁶ Payments of receipts taxes by orbit carriers of persons and property; not allocated by class of service.
¹⁶ Payments of receipts taxes by orbit carriers of persons and property; not allocated by class of service.
¹⁶ Payments of certificate fees by property carriers not allocated by type of vehicle; contract carriers, \$1,7270, common carriers, \$5,628.
¹⁶ Payments of certificate fees by property carriers not allocated by contract and other commercial property carriers which were not segregated from private carriers; also \$1,700 in certificate fees paid by common carriers of property.

vehicle and class of service. The break-down by rated | are given the miscellaneous fees paid by motor-vehicle capacity is not given. Table 14 gives the correspond- owners, including operators' and chauffeurs' license fees, ing payments of registration fees and table 15 the fees for certificates of title, transfer of registration fees, special fees paid by commercial carriers. In table 16 and miscellaneous small items.

OTHER TAXATION IMPOSED ON MOTOR VEHICLES IN 1932

COUNTY TAXES FOUND IN ONLY FIVE STATES

Aside from the levying of personal property taxes, the county unit of government has entered the field of motor-vehicle taxation to but a very limited extent. Special county fees and taxes were found to exist in only five States in 1932, and the collections reported were only \$1,703,455. The actual total collected by counties may have been somewhat greater, since replies were not received from all the counties to which questionnaires were sent; but it is believed that such charges exist only in the five States named. The data on county fees and taxes are given in table 17

The most significant fact revealed by this table is that four of the States in which counties levy special property taxes) imposed on motor vehicles were found taxes on motor vehicles-Alabama, Louisiana, Missis- in 39 States in 1932. The total collections reported sippi, and Tennessee—are in the South and are contigu- were \$14,157,822.

ous. The remaining State, Nevada, yielded only \$3,781 in county motor-vehicle fees.

By far the largest single item was reported in Louisiana, where the parishes collected more than \$1,000,000 in gasoline taxes. Counties in Alabama and Mississippi also levied gasoline taxes, those in the latter State being used in financing the construction of sea walls. Registration fees or wheel taxes in two Tennessee counties yielded \$133,644. The remaining items, in Louisiana, Mississippi, and Nevada, were small.

MUNICIPAL TAXES MORE FREQUENTLY IMPOSED

Municipal fees and taxes (other than personal-

		Operators'	licenses		Certi	ficates of	title			Miscellane	ous fees			
State	Private	Chauffeur	Dupli- cates	Total	Issues and transfers	Dupli- cates	Total	Transfers or reregis- trations	Duplicate registra- tions	Duplicate car plates	Temporary entry per- mits	Fees for official cars	Other fees	Grand total
Alabama		\$12,790		\$12,790										\$12, 79
Arizona	\$4, 158	9,356		13, 514	\$43, 278	\$1, 215	\$44, 493	\$13, 464 2, 239		\$581			\$6,004	78, 05
Arkansas California		17,376 131,860	\$32, 881	17,376 164,741				801, 823	\$49, 512	13, 541	\$4,930		110, 183	1. 144, 73
Colorado	168, 859	15, 188		184,047	94, 611		94, 611	20, 642		1, 768	7,408		1, 338	309, 81 1, 411, 34
Connecticut	1, 221, 678 103, 509	18, 725	6, 931	1, 247, 334 103, 509	19.606		19,606	61, 042	2, 384		35, 738		64, 844	1, 411, 54 123, 11
Florida		2, 921		2, 921	99, 907	4,870	104, 777	8, 816	52	3, 482		\$41,008		161. 0.
Jeorgia		7, 544 754		7, 544 754		2,663	2,663	4, 901	366	316	7,091		1, 555	14, 30 10, 82
llinois		230, 073		230,073		2,000		181, 339		60, 808		13, 764	72, 987	558, 9
ndiana	16,753 112,350	12,988 45,054	3,700	29,741 161,104	132, 244 111, 580		132, 244 111, 580	150, 962 38, 521	4,023	28, 705 1, 623				341, 6 316, 8
Kansas	10,090	11, 642	1,250	22,982	111,000			50, 402	9, 204	1, 644			220	84.4
Kentucky		26, 905 59, 250	146	26,905				69, 662			241 409		1,614	98, 4: 59, 80
Louisiana Maine	380, 996	59, 250 84, 687	1.008	59,396 466,691						462	120			467, 2
Maryland	97,634	141, 267		238,901	117, 869		117, 869	64, 167	8,013					428, 9 2, 224, 3
Massachusetts Michigan	2, 174, 712 394, 716	116,894	7, 373	2, 174, 712 518, 983	379,014	14,926	393, 940	168, 486	37, 004	7, 146 30, 680	1,030		5, 527	1, 113, 1
Minnesota		49, 383	262	49, 645					445	5, 218	981	1,729		58, 0
Mississippi Missouri	19, 191	107, 178	- • • • • • • • •	126,369	267,029		267,029			5, 908	8,669	2,078		16, 6 393, 3
Montana		670		670	24, 996	357	25, 353		1, 551	46	416		13,773	41,8
Nebraska Nevada	4,967			4,967	2,669	103	2,772	28, 152	10, 898	1,667		277		45, 6 3, 0
New Hampshire	180, 283	102, 463		282,746	2,000					13, 399	604		2, 263	299, 0
New Jersey	3, 251, 282			3, 251, 282				298, 436	20, 525	6, 878			35, 840	3, 612, 9
New York	1, 322, 046	1, 646, 352		2, 968, 398				816, 671			143, 971		293, 093	4, 222, 1
North Carolina North Dakota					69,487 27,704	1, 134	69, 487 28, 838			220		9,460 463		78, 9 29, 5
Ohio		66, 375		66, 375				125, 795	4,106	9,849		403		206.1
Oklahoma Oregon	16,850				148, 274	4,974	153, 248		780	1 014		2, 101	112	155, 3 134, 7
Pennsylvania	4,400,208	12,734	2,900 12,648	32, 484 4, 412, 856	97, 521 1, 535, 858	1,910 8,901	99, 431 1, 544, 759	176, 718	11, 691	1, 614 12, 476	304		4, 325	6, 162, 8
Rhode Island	341, 417	1,512	2,710	345, 639				46, 176	1,492			2,078	1, 245	396, 6 114, 0
South Carolina South Dakota		1, 020		104, 497	8,832 16,004	2,534	8,832 18,538					684 242		18.7
Tennessee					586, 851		586, 851	35, 028				1, 581		623, 4
Texas Utah		230, 352 4, 081	2, 395	232,747	16,044		16,044	106, 440	1,033	17,918	400		24,950	383, 4 20, 1
Vermont	233, 959			233, 959				26, 596			260	3, 995		264,8
Virginia Washington	61,744	57, 903	50	57,953 62,544	161, 051	16, 207	177, 258	57, 391 960	5, 691		13	6, 192		298, 3 69, 6
West Virginia	34, 718	68, 627		103, 345	89,474		89, 474	25,065	1, 233	6,951			900	226, 9
Wisconsin Wyoming	8, 523		6,442	14,965	128, 323 12, 829		128, 323 12, 829					6, 132		149, 4 12, 8
Dist. of Columbia.	221, 133	16, 974	3, 155	241, 262	87, 227	2, 163	89, 390	12, 994	1,175	572				345, 3
Total	14 005 050	3, 310, 898	84.651	18, 280, 802	4, 278, 282	61,957	4, 340, 239	3, 392, 888	171, 227	233, 472	212, 585	91, 784	640,773	27, 363, 7

TABLE 16.—Miscellaneous State fees imposed on motor-vehicle owners in 1932

TABLE 17.—County fees and taxes on motor vehicles in 1932, other than personal property taxes

			tration eel taxes	Gasol	line taxes		nchise ees		er fees taxes
State	Total fees and taxes	Number re- porting	Amount	Number re- porting	Amount	Number re- porting	Amount	Number re- porting	Amount
Alabama Louisiana Mississippi Nevada Tennessee	273, 255 1, 141, 035 151, 740 3, 781 133, 644	2	\$133, 644	6 45 3	\$273, 255 1, 138, 729 ² 117, 817	26 3	¹ \$2, 306 4 3, 781		³ \$33,923
Total	1, 703, 455	2	133, 644	54	1, 529, 801	29	6, 087	2	33, 923

Occupational license fees on taxicabs, jitneys, busses, drays, transfers, etc.
 Special gasoline tax for road-protecting sea walls.
 Road and bridge privilege tax.
 On interstate bus and truck operations.

While the total sum reported can hardly include every dollar actually collected from motor-vehicle owners by municipalities, it is believed to be a fairly close approximation of the truth. Questionnaires were mailed to 9,128 municipalities, and follow-up queries were sent to those which failed to answer the first communication. The total number of municipalities submitting replies was 6,598, or 72 percent. Only 1,537, however, reported collections, the remainder, or 5,061, definitely stating the national total.

that they collected no special fees or taxes from motorvehicle owners. The assumption might be made that the great majority of the municipalities not answering the questionnaire also had no fees of this character.

In table 18 there is given a detailed analysis of the questionnaire survey, showing for each State the number of municipalities queried, the number replying and the amounts of the fees reported.

The most prevalent type of fee, although not the most productive, was that of franchise taxes, frequently levied on taxicabs, busses, and for-hire trucks, and sometimes upon occupations in which motor vehicles are used, such as drayage and the like. Fees of this nature were reported in 34 States, and the total collected was \$2,053,086.

Municipal gasoline taxes were found in only six States, in widely separated regions of the South and West, but the total collected was \$2,602,083, of which Missouri alone accounted for 67 percent.

Registration fees imposed by municipalities amounted to \$9,100,795. Of this total the State of Illinois alone accounted for 68 percent. Other fees included such items as operators' and chauffeurs' licenses.

Among the 39 States in the table of municipal fees, the States of Illinois and Missouri far exceeded any others, and together represented about 65 percent of

										. <u>I</u> <u>I</u>			
Child	Total number	Total number	Number of munic-	Number of munic-	Total fees	Registra	ation fees	Gasolii	ne taxes	Franch	ise fees	Othe	r fees
State	of munic- ipalities queried	of munic- ipalities replying	ipalities reporting fees	ipalities reporting no fees	reported	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount
Alabama	296 34	207	115	92	\$830, 341 180	41	\$82, 632	88	\$735, 575	15	\$8, 779 180	6	\$3, 355
Arkansas	388	205	61	144	212, 484	56	205, 908			8	5, 022		1, 554
California		167	58	109	212, 365					58	210, 411	1	1,954
Colorado	246	232	28	204	28, 821					26	28,061	-4	760
Connecticut	1 None												
Delaware Florida	¹ None 13	13	12		05 407			12	05 407				
Georgia	577	235	12	220	85, 427 18, 484	7	7,264	12	85, 427	9	10, 482	3	738
Idaho	1 None	200	10	220	10, 101	1	1,201			9	10, 402	0	138
Illinois	440	372	205	167	6, 263, 956	191	6, 207, 095			53	37, 538	18	19, 323
Indiana		263	36	227	105, 382					36	105, 382		
Iowa	186	160	28	132	7, 239					28	6,508	5	731
Kansas	¹ None												
Kentucky Louisiana	261	214	107	107	305, 836 234, 000	79	298, 681			61	7, 155		
Maine	1 None	1	1		234,000			1				1	234,000
Maryland	1 None											*******	
Massachusetts	1 None												
Michigan	484	420	46	374	159, 516					40	152,710	22	6,806
Minnesota		98	18	80	18, 958					18	18,958		
Mississippi	306	126	15	111	446	100	1 150 000		1 740 044	15	446		
Missouri Montana	769	359 92	148 18	$\frac{211}{74}$	2,971,873 10,023	126	1, 150, 280	36	1, 743, 644	35 14	77,949		
Nebraska	120	17	10	7	103, 131	1	102,058			14	1,776 1,073	10	8, 247
Nevada		1	10	· · · · ·	2, 166		102,000	1	2,166	5	1,010		
New Hampshire	87	84	8	76	1,095					8	1,095		
New Jersey		566	115	451	883, 185					114	882, 188	6	997
New Mexico		49	10	39	37,082			5	29, 398	5	1,065	5	6,619
New York		128	72	56	235, 262					, 72	234, 428	1	834
North Carolina North Dakota	378 7	315	93 7	222	155, 122 2, 405	88	81, 869			4	1,580	$\frac{24}{6}$	73, 253
Ohio	56	42	34	8	62, 337					34	44, 591	7	825 17,746
Oklahoma	1 None				0, 301					101		1	11, 110
Oregon	190	160	29	131	20, 804					29	20, 804		
Pennsylvania	993	685	9	676	70, 111					9	68, 405	2	1,706
Rhode Island	7	1	1		4,905		7 540			1	4, 380	1	525
South Carolina	42 13	36 11	6 11	30	20, 034 1, 303	6	7, 542			11	1,303	1	12,492
Tennessee	27	27	23	4	307, 028	22	255, 765			2	43, 262	2	8,001
Texas	568	336	20 22	314	21, 533		200,100			22	21, 533	-	0,001
Utah	2	2	2		15, 153					2	13, 761	2	1,392
Vermont	302	264	7	257	768					7	768		
Virginia		173	99	74	714, 262	95	701,701			17	12, 561		
Washington	66	54	27	27	16, 682					27	16, 682		
West Virginia Wisconsin	¹ None 502	399	34	365	11, 518					34	11, 518		
Wyoming	85	76	5	71	6, 605			1	5,873	4	732		
n journes					0,000			1		r			
Total	9, 128	6, 598	1, 537	5, 061	14, 157, 822	712	9, 100, 795	143	2, 602, 083	828	2, 053, 086	131	401, 858
	1					1							

¹ Official statement from State sources indicated that no municipal fees or taxes were levied in 1932.

PERSONAL-PROPERTY TAXES CHARGED AGAINST MOTOR VEHICLES

Since personal property taxes upon motor vehicles are entirely distinct from the other types of fees and taxes paid by motor-vehicle owners, a special inquiry on this subject was undertaken in the several States simultaneously with the general statistical investigation. The statisticians in each State and field representatives of the Bureau cooperated in examining official reports, interviewing officials, and collecting basic information by means of questionnaires to local governmental authorities. In general, the response given to these questionnaires was excellent. With the resulting mass of information, extended by approximations based on the fact that taxes tend to be much the same in communities of the same type in the same general location, it was possible in practically all States to estimate with fair accuracy not only the total personal property taxes chargeable against motor vehicles, but also the division of the imposts among the governmental units levving them.

The information it was desired to obtain was the total personal-property tax levied by all governmental units in the year 1932. The data assembled did not all refer to that specific year. Because of a difference in the fiscal years of governmental units, and also because the tions.

assessment, levy, and collection of a tax involve a considerable length of time, it is impossible to get uniform information. The assessed value may be fixed in 1 year and the tax collected in another. The same may be, and often is, true of the levy and collection of the tax. Even after the payment is due, another considerable period elapses before the tax becomes delinquent. Thus, it was only natural that, when information was collected from thousands of governmental subdivisions, there should be some confusion as to the item to be reported as the motor-vehicle property tax for 1932.

Comprehensive and adequate data were obtained from all States. While in most cases the complete figures could not be obtained, sufficient facts were supplied to make possible accurate estimates. For a number of States the figures are known to be entirely correct, as they were based on complete records.

The essential results of the research and analysis are set forth in tables 19, 20, and 21. The first of these tables is a summary of the principal facts brought out by the analysis. Table 20 gives a comparison among the various States of the personal property taxes levied and collected in 1932. Table 21 gives a break-down of the taxes collected, according to the tax-levying jurisdictions. lected against motor vehicles in 1932

TABLE 19.-Summary of personal-property taxes levied and col- TABLE 21.-Personal-property taxes collected on motor vehicles in 1932, grouped according to tax-levying jurisdictions

	2°	Number of	Person	al-property	taxes
Method of taxation	Number of States	vehicles licensed (1931)	Levied	Per vehicle	Collected
Exempt Special laws General laws	$\begin{array}{c}17\\6\\26\end{array}$	11, 854, 346 1, 700, 930 12, 258, 827	None \$9, 921, 000 34, 160, 000	None \$5. 83 2. 79	None \$9, 921, 000 25, 959, 000
Total	49	25, 814, 103	44, 081, 000	3.16	35, 880, 000

TABLE 20.—Personal-property taxes levied and collected against motor vehicles in 1932; totals and percentages tabulated by States

State	Taxes levied	Taxes col- lected	Percentage of total collected
	010 000	\$070 000	01.0
Alabama	\$818,000	\$670,000	81.9
Arizona	797,000	730,000	91.5 74.2
Arkansas	259,000	192,000 5 285 000	74. 2 61. 9
California	8, 534, 000 1, 143, 000	5,285,000 853,000	74.6
Colorado	2, 039, 000	1, 790, 000	87.8
Connecticut.	2,055,000 None	1, 750, 000 None	None
District of Columbia	475,000	475,000	100.0
Florida	None	None	None
Georgia	694,000	542,000	78.1
Idaho	None	None	None
Illinois	2, 190, 000	1, 855, 000	84.7
Indiana	2, 256, 000	2,017,000	89.4
Iowa	None	None	None
Kansas	1, 032, 000	908,000	88.0
Kentucky	999,000	850,000	85.1
Louisiana	1,077,000	785,000	72.8
Maine	1,034,000	1,034,000	100.0
Maryland	1,487,000	1, 487, 000	100.0 100.0
Massachusetts	6, 184, 000 None	6, 184, 000 None	None
Michigan	None	None	None
Minnesota Mississippi	559,000	447,000	80.0
Missouri	1, 991, 000	1, 593, 000	81.5
Montana.	323,000	283,000	87.8
Nebraska	932,000	689,000	73.9
Nevada	135,000	133,000	98.1
New Hampshire	513,000	513,000	100.0
New Jersey	None	None	None
New Mexico	None	None	None
New York	None	None	None
North Carolina	840,000	639,000	76.0
North Dakota	None	None	None
Ohio.	None None	None None	None None
Oklahome Oregon	None	None	None
Pennsylvania	None	None	None
Rhode Island	977,000	853,000	87.4
South Carolina	449,000	362,000	80.6
South Dakota	None	None	None
Tennessee	133,000	133,000	100.0
Texas	2, 486, 000	1, 715, 000	69.0
Utah	357,000	268,000	75.0
Vermont	None	None	None
Virginia	699,000	516,000	73.7
Washington	1,897,000	1, 393, 000	65.0
West Virginia	544,000	458,000	84.3 Nono
Wisconsin	None 228 000	None	None 100.0
Wyoming	228,000	228,000	100.0
Total	44, 081, 000	35, 880, 000	81.4
	,,,		

ESSENTIAL FACTS ON PERSONAL-PROPERTY TAXATION OF MOTOR VEHICLES SUMMARIZED

Outstanding results of this phase of the survey may be summarized as follows:

1. In 1932 there were levied against motor vehicles in the United States personal-property taxes in the estimated amount of approximately \$44,081,000.

2. Of the motor vehicles subject to taxation, only about 60 percentare listed on the tax rolls.

3. The percentage of motor vehicles placed upon the rolls apparently runs from less than 35 percent in the State of Illinois to over 90 percent in Arizona, Connecti-

	Т	ax-levying ju	irisdictions	
State	State	County	Other	Total
Alabama	\$163,000	\$379,000	\$128,000	\$670, 0
Arizona	208,000	385,000	137,000	730, 0
Arkansas	44,000	38,000	110,000	192, 0
California	None	3, 873, 000	1, 412, 000	5, 285, 0
Colorado	94,000	154,000	605,000	853, 0
Connecticut	43,000 None	23,000 None	1, 724, 000 None	1, 790, 0 Noi
Delaware	None	None	475,000	475, 0
District of Columbia 1	None	None	175,000 None	No
Florida Georgia	91,000	252,000	199,000	542, 0
Idaho	None	None	None	No
Illinois	185,000	198,000	1, 472, 000	1,855,0
Indiana	205,000	340,000	1,472,000	2,017,0
Iowa	None	None	None	No
Kansas	78,000	199,000	631,000	908,0
Kentucky	149,000	199,000	502,000	850, 0
Louisiana	148,000	233,000	404,000	785,0
Maine 1	None	None	1,034,000	1,034,0
Maryland 1	145,000 None	449,000 None	893,000 6,184,000	1, 487, 0
Massachusetts 1	None	None	0, 154, 000 None	6, 184, 0 No
Michigan Minnesota	None	None	None	No
Mississippi	82,000	155,000	210,000	447, 0
Missouri	103,000	642,000	848,000	1, 593, 0
Montana	23,000	108,000	152,000	283, 0
Nebraska	74,000	~ 109,000	506,000	689,0
Nevada	28,000	80,000	25,000	133, 0
New Hampshire 1	None	None	513,000	513, (
New Jersey	None	None	None	No
New Mexico	None	None	None	No
New York	None	None	None	No
North Carolina	45,000 None	228,000 None	366, 000 None	639, 0 No
North Dakota	None	None	None	No
Ohio Oklahoma	None	None	None	No
Oregon	None	None	None	No
Pennsylvania	None	None	None	No
Rhode Island	36,000	None	817,000	853, 0
South Carolina	64,000	174,000	124,000	362, 0
South Dakota	None	None	None	No
Tennessee	6,000	80,000	47,000	133, (
Texas	489,000	592,000	634,000	1, 715,
Utah	19,000	57,000	192,000	268,0
Vermont	None	None	None	No
Virginia	None	241,000	275,000 804,000	516,0
Washington	210,000 28,000	379,000 253,000	177,000	1, 393, (458, (
West Virginia	None 28,000	None	None	400, U
W yoming ¹	35,000	47,000	146,000	228,0
Total	2,795,000	9,867,000	23, 218, 000	35, 880, 0

¹ States having permit fee equivalent to personal-property tax.

cut, and Montana, and 100 percent in Maine, Maryland, Massachusetts, New Hampshire, Wyoming, and the District of Columbia.

4. There is a wide variation in the standard of assessment of motor vehicles in the various States.

5. Of the total tax levied, it is estimated that collections could not have exceeded \$35,880,000 and they may have been considerably below this figure.

6. Because of difficulties in assessment and collection, the personal-property tax as ordinarily administered is not effectively applied to motor vehicles.

7. Seventeen States, in which there were, in 1931, 11,834,346, or 45.9 percent of the total motor vehicles, exempt motor vehicles entirely from taxation as personal property.

8. There are 31 States and the District of Columbia in which motor vehicles are subject to some form of taxation as personal property. In these States there were 13,959,757 motor vehicles registered, or 54.1 percent of all vehicles licensed.

9. The mean average tax levied against these vehicles was \$3.16 and the median \$3.04.

10. Of the States imposing personal-property taxes TABLE 22.—Summary of Federal excise taxes relating to motor against motor vehicles, five States and the District of Columbia make their levies under special laws which insure that all motor vehicles operating are charged with and pay the personal-property tax. The total so levied in 1932 was \$9,921,000. Located in these areas in 1931 were 1,700,930 motor vehicles or 6.6 percent of all the motor vehicles in the United States. This was an average of \$5.83 per vehicle.

11. In the remaining 26 States, containing 12,258,827, or 47.5 percent of all motor vehicles in 1931, an ineffective attempt is made to tax motor vehicles under general property tax laws, the tax so levied in 1932 being \$34,160,000, or \$2.79 per vehicle.

FEDERAL MANUFACTURERS' EXCISE TAXES RELATING TO MOTOR VEHICLES

The first Federal manufacturers' excise taxes which were paid by motorists were imposed under the United States Internal Revenue Act of 1918, effective October 4, 1917. These taxes lasted until repealed on May 29, 1928. During the period of 10 years and 8 months in which the taxes were in force, they accumulated to a total of \$1,119,931,631, or an average of about \$105,-000,000 a year. There were three groups of such taxes, as follows: (1) Automobile trucks and wagons, 3 percent on sales; (2) other automobiles and motorcycles, 5 percent on sales; and (3) automobile parts and accessories, 5 percent on sales.

For an interval of 4 years the motor-vehicle owner was free from Federal excise taxes. The Revenue Act of 1932 (approved June 6 and effective June 7, 1932) imposed certain manufacturers' excise taxes affecting the purchases of owners of motor vehicles. The new law, however, imposed six groups of taxes, as follows: (1) A gasoline tax of 1 cent per gallon; (2) a tax on lubricating oils of 4 cents per gallon; (3) on tires and inner tubes, taxes of 2¼ and 4 cents per pound, respectively; (4) on automobiles and motorcycles, 3 percent on sales; (5) on automobile trucks, 2 percent on sales; and (6) on automobile parts and accessories, 2 percent on sales. The tax on gasoline was increased to 1½ cents per gallon on June 17, 1933, and reverted to 1 cent on January 1, 1934.

These six taxes are paid, either directly or indirectly, by owners of motor vehicles, except for the fact that part of the excise taxes on gasoline and lubricating oils are paid by purchasers of these commodities for purposes other than for motor vehicles.

It will be observed that these taxes did not go into effect until June 7, 1932, with the result that the collections of 1932 represent but slightly more than a halfyear period.

Table 22 gives a summary of the Federal excise-tax collections in 1932 and 1933, as reported and as adjusted to give as close approximations as possible to the approximation of the providence of the the the transmission of transmission of the transmission of the transmission of the transmission of transmission of the transmission of transmis amounts paid by the motorist in those years. United States Bureau of Internal Revenue issues monthly reports showing the collections of the preceding month, which cover taxes assessed on the sales of the month preceding the month of collection. There is, in other words, a lag of a month between the collections as reported and the tax assessed on sales. The first column of figures in table 22 gives the collections of the calendar years 1932 and 1933. The second column gives the figures after adjustment by allowing for the lag of one month, as it was desired to show, as

vehicles in 1932 and 1933

CALENDAR YEAR 1932

Federal excise tax on—	Collections	Assessments ¹	Assessments adjusted ²
Gasoline Lubricating oil. Tires and inner tabes Automobiles and motorcycles Trucks Parts and accessories	62, 839, 827 7, 067, 419 7, 545, 071 4, 221, 263 720, 155 1, 900, 111	74, 181, 720 8, 388, 330 8, 112, 487 4, 996, 000 833, 907 2, 188, 404	68, 247, 200 8, 000, 000 8, 112, 487 4, 996, 000 833, 907 2, 188, 404
Total	84, 293, 846	98, 700, 848	92, 377, 998

CALENDAR YEAR 1933

Gasoline Lubricating oil	22, 289, 624 23, 836, 119 22, 475, 888 3, 046, 827	\$187, 461, 926 22, 638, 019 24, 947, 117 22, 412, 568 3, 123, 958 4, 544, 666	\$171, 152, 700 18, 643, 800 24, 947, 117 22, 412, 568 3, 123, 958 4, 544, 666
Total			244, 824, 809

¹ Collections as reported advanced 1 month to allow for lag. ² Figures for gasoline- and oil-tax assessments adjusted to allow for non-motor-vehicle usage.

closely as practicable, the taxes as of the time when paid by the motorists. Thus the figures for the year 1932 include the collections of January 1933, and those for 1933 include the collections of January 1934.

The last column of table 22 gives the figures after adjustment for non-motor-vehicle use of gasoline and oil. In the case of gasoline the following method of approximation was used. From the data on gasoline taxes reported to the Bureau by the States it was found that in the last 6 months of 1932, 92 percent of the gasoline sold in the States was taxed by the States and sold for motor-vehicle use. For the calendar year 1933 the figure was 91.3 percent. It appeared reasonable to apply these percentages to the Federal gasolinetax figures, although the gallonage taxed by the Federal Government was, in both periods, less than the gallonage reported to the Bureau as having been sold in the States.

In order to determine an approximate figure for the amount of the tax on lubricating oil assignable to motor vehicles, a ratio between the consumption of gasoline and the consumption of oil by motor vehicles was derived from results reported by other investigators,⁷ and from the operating statistics of official cars used by employees of the Bureau of Public Roads in different parts of the country. The average ratio obtained as a result of this study was 28.24, i.e., 28.24 gallons of gasoline consumed to 1 gallon of oil. This ratio was not applied to the 1932 figures, as it was found to give inconsistent results, and a round figure of 2,000,000 gallons was assumed. In the case of the 1933 figures, the use of the ratio gave results which were entirely reasonable, indicating that approximately 82 percent of the oil taxed by the Federal Government was used by motor vehicles. In any event, however, the allowance for non-motor-vehicle use of oil is no more than a rough approximation.

The figures for the 2 years are not directly compa-rable, as those for 1932 cover only a little more than a half year, and the gasoline-tax rate was changed in 1933 from 1 to 1½ cents. Part of the increase, however,

⁷ National Motor Truck Analysis, by General Motors Truck Co., 1929; Bulletin 106, Automobile Operating Costs and Mileage Studies and Bulletin 114, Statistics of Motor Truck Operation in Iowa, Iowa Experiment Station, 1931 and 1933; and a 1932 survey of the American Petroleum Institute, unpublished.

appears to be due to more effective administration of 87 intrastate. Data on toll collections were obtained the law. The gallonage of gasoline taxed by the Federal Government in 1933 was much closer to the total reported by the States than was the case in the last half of 1932, indicating that early difficulties in enforcement have been eliminated. The same appears to be true in the case of the tax on lubricating oil.

PUBLIC BRIDGE AND FERRY TOLLS

The motorist in traveling over the highways must pay tolls on many bridges and ferries, both publicly controlled and privately owned. Although no data on this subject were obtained in the survey, it was decided to obtain, by a study of available records and reports, an approximation of the payments by motorists in 1932 in the form of public bridge and ferry tolls. The material obtained in this manner is by no means complete, and is probably several million dollars short of the true total.

On April 1, 1933, the number of toll bridges in operation was given as 317 in a list published by the American Toll Bridge Association in volume 1 of its 1933 proceedings. Among these there were 104 publicly owned bridges, of which 17 were interstate and under different conditions are presented.

for 13 interstate bridges and 53 intrastate bridges, and also for a number of publicly owned ferries operated by the City of New York. Total collections reported were as follows:

Interstate bridges Intrastate bridges Ferries	2,	154, 451, 593,	220
- Total	18,	199,	424

PUBLICATION ON ROADSIDE IMPROVEMENT **AVAILABLE**

A limited supply of Miscellaneous Publication No. 191, "Roadside Improvement", is available for distribution, and single copies may be obtained by addressing the Bureau of Public Roads.

The publication discusses briefly roadside improvement in the Public Works highway program, methods of planning roadside improvement, estimated costs, and shows typical plans for roadside improvement. Numerous illustrations showing methods of treatment

AS PROVIDED BY SECTION 204 OF THE NATIONAL INDUSTRIAL RECOVERY ACT (1934 FUNDS) AND BY THE ACT OF JUNE 18, 1934 (1935 FUNDS) CURRENT STATUS OF UNITED STATES PUBLIC WORKS ROAD CONSTRUCTION

CLASS 1.-PROJECTS ON THE FEDERAL-AID HIGHWAY SYSTEM OUTSIDE OF MUNICIPALITIES

BALANCE OF FUNDS AVAILABLE FOR NEW PROJECTS	1934 Public Works Public Works Funds	262.158 2.061.965 35.964 772.384	124, 782 3, 748, 199 38, 901 1, 273, 759 607, 500	10.998 35.336 73.157 1.330.672 668.279 2.556.745	81,619 1.013,494 2,985,441	20,600 792,961 1,349,800 8,436 1,246,315	9, 636 1, 380, 419 105, 438 532, 946 84, 874 183, 383	77.327 2.814.934 5.089 682.050	243, 767 175, 979 1, 821, 168 1, 954 1, 807, 321	3.754 1.166.053 472.252	87.792 951.379 66.083 720.553 54.158 162.221	421.795 1.907.587 44.834 1.375.276 61.132 3.539.256	100.059 2, 342, 590 23, 864 702, 738 69, 887 2, 771, 209	46,205 464,572 40,137 1,266,399 7,011 1,523,821	118, 360 1.931.154 1442.843 2.85,565 29.097 285,565	231.573 5.067 1.1649,203 5.067	15. 299 378, 162 16. 897 2. 021. 327
_	Mileage	35.0 30.3 3.4	3.6 50.4	1.11	6.1 3.9	110.1 231.0 39.0	3.1	19-3	68.5 36.1 93.3	30.4	64.1 34.5	75.3	14.7 140.3 140.3	10.0	13.3 10.2 H	11.1 20.7 5.8	21.6
APPROVED FOR CONSTRUCTION	1935 Public Works Funds	s 67,956 566,328	217.904 935.784	426,361	104.173	1,097,800 1,209,038 281,009	148,351	408,300 757.148	742.188 758.845 906.887	775.559 184.302 12.479	750, 297	512, 864 94, 208	846.168 1.779.873	117.078	174.299 405.280	173.201 226.793 226.793	61 £, 057 202.500
APPROVED	1934 Public Works Funds	то, 865 150.354	584	23,636 175,638	38.585 413.271 278,689	1.311	23.133 602,702	249,614 8,327	320, 298 92, 668	1.176		304.274	282, 201 13,619 115,565	42.334	132,255 223,868	10,670 68,466 46,000	9.320 63.886
	Mileage	274.2 83.7 126.0	126.3 28.7 27.8	10.7 29.9 130.9	45.1 34.0 84.9	103.8 45.6 69.0	36.1	8.6 204.0	190.0 59.5 84.5	120.9	32.4 3.7 201.3	401.2 137.2 62.4	81.1 140.8 66.7	174.4	246.3 83.2	23.1 18.6 34.3	43.2
RUCTION	1935 Public Works Funds		214,960		14,243	326.600	112, 347	3,050	171.861		925,400				375, 500	163,053	143,948
UNDER CONSTRUCTION	1934 Public Works Funds	2.484.076 1.045.802 2.149.632	3, 634, 268 564, 151 1, 213, 805	564,607 564,997 1,940,152	830,103 3,280,509 3,053,606	1.981.330 1.152.953	1.527.682 681.689 576.405	4, 431, 875 949, 991	1.962, 414 1.985, 348 684, 688	1.510.380 927.426 129.970	2.515.195 81.498 7.319.798	2, 360, 1415 502, 526 2, 376, 483	1. 748, 757 726, 1446 4, 096, 104	1,914.334	1.517.177 3.347.513 583,284	392, 242 969, 035 1,173, 045	999.892
	Estimated Total Cost	4,444,677 1.516,515 2,436,220	5.716.704 883.839 1.385.153	564,607 676,287 2,084,297	863.704 3.306.429 3.054.294	2.510.801 1.439.931 1.472.160	2.034.333 818.723 576.405	480.783 4.483.925 2.153.036	3,568,025 2,216,193 1,093,371	2,172,670 970,753 142,375	2.670.159 81.498 10.758.059	2,604,028 702,661 2,543,440	1, 354, 993 820, 324 4, 441, 422	1.933,498	1,607,935 3,422,779 1,022,467	1,078,656 1,336,098	1.163.303
	Mileage	100.4 211.3 45.1	190.5	7.3 86.1 152.0	136.0 18.7 50.0	178.9 359.2 182.8	42.2 29.9 10.5	29.2 64.2 685.3	93.1 149.7 310.9	247.8 212.2 9.7	14.7 270.5 78.9	212.3 845.7 129.5	219.7 1.42.1 64.9	20.5 61.7 276.1	124.5 765.9 163.0	21.7 120.3 76.9	33.8
ED	Public Works Funds																
COMPLETED	1934 Public Works Funds	2, 796, 788 2, 796, 788 994, 798	4.153.878 2.834.213 189.823	316,940 1.857.220 2.261.524	1.216.551 774.467 1.274.253	3.025.900 3.890.538 2.290.576	1,120,701 830,433 518,281	647.306 1.431.900 3.597.604	962.859 2.983.537 3.768.707	2,402,926 1.978,207 595,769	496, 384 2, 699, 066 2, 897, 890	1.674.633 2.258.757 4.840.143	2.877.382 2.289,519 2.409.638	933,162 775,112 1,464,727	2,478,516 7.574,419 1.761.524	2,439,306 2,439,306 1,833,822	3,103,546
	Total Cost	2, 359, 732 2, 905, 253 1, 278, 390	5, 528, 348 2, 854, 473 189, 823	319,034 2,536,425 2,273,493	1,262,385	3,160,840 3,897,490 2,315,327	1,121,934 841,313 527,930	936,557 1,431,900 3,655,849	1.816.051 3.497.375 4.052.919	3.173.604 1.978.207 602.305	2, 504, 270 3, 504, 275	2,137,710 2,475,087 5,085,584	2,914,440 2,528,201 2,415,674	996.030 775.112 1.563.480	2,998,525 8,427,536 1,793,409	2,497,668 1,841,533	990, £94 3.182, 208
MENTS	Act of June 18, 1934 (1935 Fund)	2,129,921 1,338,712	3,966,103 2,424,504 607,500	461,697 1,330,672 2,556,745	1.131.910 3.060.041	2, 217, 361 2,558,837 1,527,324	1, 380, 419 793, 644 289, 610	3, 226, 284 2, 642, 244	2,301,148 2,778,183 2,714,208	1.982,182 1.350,356 484,731	951, 379 1,470,850 2,872,521	2,420,471 1,469,483 3,539,256	2, 342, 590 1, 548, 906 4, 554, 082	464.572 1.385.477 1.523.821	2.105.453 1.066.345	466.042 1.882.693 1.553.206	1,140,167
APPORTIONMENTS	c. 204 of the Act f June 16, 1933 (1934 Fund)	8 4.123.000 3.878.555 3.374.167	7.912.928 3.437.265 1.404.213	892,544 2,519,010 5,045,592	2,166,858 4,468,247 5,018,921	5.027.830 5.044.802 3.751.605	2,681,152 1,617,560 1,782,263	1,101,716 6,113,389 4,561,011	3.489.337 5.237.532 4.463.849	3,914,481 2,909,387 725,739	3,099,371 2,846,648 10,271,846	4,761,147 2,902,224 7,277,758	4,608,399 3.053,4448 6,691,194	979.367 2.729.583 3.005.739	4, 246, 309 11, 588, 643 2, 374, 205	928.184 3.708.379 7.057.934	2.013.405 4.615.429
	STATE	Alabama Arizona Arkansas	California Colorado Connecticut	Delaware. Florida Georgia	Idaho Illinois Indiana	Iowa Kansas Kentucky	Louisiana Maine Maryland	Massachusetts Michigan Minnesota	Mississippi Missouri Montana	Nebraska Nevada New Hampshire	New Jersey New Mexico New York	North Carolina North Dakota	Oklahoma Oregon Pennsylvanja	Rhode Island South Carolina South Dakota	Tennessee Texas Utah	Vermont Virginia Washington	West Virginia Wisconsin

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AS PROVIDED BY SECTION 204 OF THE NATIONAL INDUSTRIAL RECOVERY ACT (1934 FUNDS) AND BY THE ACT OF JUNE 18, 1934 (1935 FUNDS)

CLASS 2.-PROJECTS ON EXTENSIONS OF THE FEDERAL-AID HIGHWAY SYSTEM INTO AND THROUGH MUNICIPALITIES

AS OF SEPTEMBER 30,193

BALANCE OF FUNDS AVAILABLE FOR NEW PROJECTS		4 1,064,961 298,599	1.933.052 166.545 426.500	182,136 665,336 1,278,373	318,483	1,263,500	190,045 190,045 744,560	1.314.592	782,804 1,414,606 113,092	925,302 100,000 196,164	1,809,500 551,159 3,469,300	1.149.057 734.742 2.359.503	201.171.295 201.1771.2	255,000 688,275 761,911	1.121.790	240.611 891.519 676.761	543, 720 1.169.313 568.083	14.381
BALANCE OF FOR NI	1934 Public Works Funds	ξ 50, μ10	72, 387	5.081 6444,287	72,042	2.757	291.429 73.988 238,998	119.696 250 548.711	462,932 580,996 10,270	46, 834 19,031 16,438	83.370 140.361 148.754	115.477	171.270 34,269 116,436	38,381 174,586 281,717	80.937 411.747 114.499	133,209	124°67 774°14	530
CTION	Mileage	ও্রার জ	. 6 2.0	6 	1.4 3.9	3.5	1.4 4.1	2.4 13.4	10 m 4	1.2	5.1	6.9	2.7 .6	3.0	22.5 20 20 20 20 20 20 20 20 20 20 20 20 20	8.0 	3.0	÷2
APPROVED FOR CONSTRUCTION	1935 Public Works Funds	e. 593	50,000 23,454	48.713		47.500 29.255 39.975		171.300	102,253 74,786	4c, 789	184, 265 620, 500	61.179	220,600	1911,11	76,929	49,828 99,842	10.437 66,146	63.730
APPROVED	1934 Public Works Funds	87,753 138,121 275, 524	3.122	4,919 8,361 309,919	418,997 265,006	278,100 4,016 455,985	59.145 268.000	127,088 6,461	231,581 163,917 145,318			326, 251 403, 551	140, 326 30,841 1410, 769	79.817	186.439 963,221	215.319	142	
	Mileage	46.2 1.6 23.7	19.6	6.0 32.9	8.3 38.5 147.9	16.4 5.2 12.8	14.2 5.4 2.1	12.3 30.0 23.2	26.6 15.8 5.1	13.1	17.5 5.6 141.9	20.5 18.1 20.0	16.3 8.0 13.6	1.0 28.9 13.3	6.44 33-5 17	5.7	15.2 11.0 9.9	2,2
RUCTION	1935 Public Works Funds				е 2,643			127.250	54,043	23, 000 46, 202	113,200				10,900		15,928 3,845	1 65, 350
UNDER CONSTRUCTION	Public Works Funds	1.476,698 139.134 975.231	1. 853. 388 79.446 80.297	325, 201 829, 288 1, 059, 735	612,538 4,730,469 3,017,316	1.162.300 721.135 745.318	884,923 332,689 152,692	4.569.231 2.453.525 1.217.322	712,036	1,264,538 172.014 184,658	2, 397, 300 429, 914 6, 355, 446	507.170 347.115 1.650.877	870,389 428,289 1,739,181	148,206 731.312 330,846	621,513 2,838,639 26,700	220.166 614.138 377.994	1,048,232 927,290 522,218	357,994
	Estimated Total Cost	1,476,698 1,476,698 1,036,599	2, 261,406 79,446 80,297	325, 201 860,130 1,059,735	4, 730, 469 4, 730, 469 3, 017, 316	1.240.456 865,988 749.095	911.517 333.585 152.692	4.594.207 2.593.275 1.358.979	712,036 2,456,038 97,687	1,287,538 195,019 230,860	2,451,433 429,914 6,961,394	508.662 347.115 1.891.560	871.168 428,289 1.766,237	148,206 731,716 330,846	621.513 2.853,752 38.792	237.498 801.029 377.994	1.088,506 949,352 526,648	523. 3W
;	Milcage	13.0 11.4 19.8	33.1 33.6 8.5	1.4 8.4 31.1	11.3 31.7 20.8	36.2	11.5	4.2 12.9 79.2	11.5 42.1 27.0	20.0 6.2 10.1	28.9	54.9 26.6 39.3	26.4 19.80	6.4 25.4	18.6 79.1 16.5	8.9 23.4	5.7 40.8 14.7	3.9
TED	1935 Public Works Funds																	
COMPLETED	1934 Public Works Funds	570, 864 1480, 317 640, 479	2, 288, 212 1, 636, 065 722, 110	142.479 567.359 710.679	2, 441, 992 800, 116	1.171.315 1.797.250 597.891	513.079 503.201 231.4442	191,184 978,545 1,953,111	338,120 1,329,518 962,687	645,868 309,005 505,545	709, 4417 1, 103, 883 1, 945, 287	1,431,675 700,447 2,655,336	1,122,215 1,033,325 2,558,601	393.038 379.077 814.433	1.234.267 2.429.256 630.627	280, 343 1,045,792 1,560,710	252.561 1.677.164 603.1114	610,011
	Total Cost	4 570, 864 480, 317 693, 583	2.591.780 1.685.280 725.645	150,761 774,410 710,948	524.411 2.454.700 801.788	1,220,188 1,802,794 607,381	513.079 505.407 235.592	232, 729 980, 695 1, 980, 448	350, 579 1, 366, 141 962, 687	650, 794 309, 005 521, 029	709.759	1.434.604 701.209 2.955.960	1,124,918 1,049,450 2,616,581	393, 038 379, 077 814, 433	1.234.458 2.516.295 646.716	288, 685 1.070, 996 1.577, 681	252,561 1,695,722 603,618	610.011
AMENTS	Act of June 18, 1934 (1935 Fund)	1,064,961 305.191	1,983,052 190,000 1426,500	230,849 665,336 1,278,373	321.126 2.515.835	1,311,000 1,279,419 954,578	744,560 490,045 452,514	1,613,142	885.057 1.543.435 113.092	991.091 100,000 242.366	1,809,500 735,425 4,203,000	1,210,235 734,742 2,359,503	1.171.295 774.454 2.397.703	255,000 692,738 761,911	533.173	240.611 941.347 776.603	570,085 1,235,459 571,928	243.460
APPORTIONMENTS	Sec. 204 of the Act of June 16, 1933 (1934 Fund)	2,175,100 807,982 1,889,534	4, 213, 986 1, 718, 633 802, 407	477,681 1,405,008 2,724,620	1.197.829 7.692.483 4.416.651	2, 614, 472 2, 522, 401 1, 927, 828	1, 748, 577 909, 878 891, 132	5,007,199 3,438,781 3,719,143	1,744,669 4,019,501 1.115,962	1,957,240 500,051 706,640	3.190.118 1.674.158 8.449.487	2, 380, 573 1, 451, 112 4, 335, 686	2, 304, 200 1,526,724 4,854,988	579, 625 1, 364, 791 1, 502, 870	2.123.155 6.642.863 771.826	500, 509 2, 008, 458 1, 977, 260	1, 342,270 2,684,067 1,125,332	968,235
	STATE	Alabama Arizona Arkansas	California Colorado Connecticut	Delaware Florida Georgia	Idaho Illinois Indiana	Iowa Kansas Kentucky	Louisiana. Maine Maryland	Massachusetts Michigan Minnesota	Mississippi Missouri Montana	Nebraska Nevada New Hampshire	New Jersey New Mexico New York	North Carolina North Dakota Ohio	Oklahoma Oregon Pennsylvania	Rhode Island. South Carolina South Dakota	Tennessee Texas Utah	Vermont Virginia Washington	West Virginia Wisconsin Wyoming	District of Columbia

Vol. 15, No. 8

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CURRENT STATUS OF UNITED STATES PUBLIC WORKS ROAD CONSTRUCTION

AS PROVIDED BY SECTION 204 OF THE NATIONAL INDUSTRIAL RECOVERY ACT (1934 FUNDS) AND BY THE ACT OF JUNE 18, 1934 (1935 FUNDS)

CLASS 3.--PROJECTS ON SECONDARY OR FEEDER ROADS

AS OF SEPTEMBER 30, 1934

(r)		1	t	1	1		1	1	1	1	1	1				1			
BALANCE OF FUNDS AVAILABLE FOR NEW PROJECTS	1935 Public Works Funds	# 1,064,960 998,032	1,983,051 618,395 1420,868	38,871 665,335 1,278,373	706,606	1,258,100 824,903 937,584	838,953 163,272 822,667	1.554.742 1.274.503	354,022 1.447,312 884,500	504.919 722,250 199,199	460,000 735,425 2,218,500	1.167.530 734.742 1.966.253	1.171.295 616.771 2.407.837	295,000 626,137 761,911	1.075.748 355.651	169, 761 900, 974 776, 603	570,083 1.328,246 556,576	532,484	42,659,127
	1934 Public Works Funds	10.159 5.223 208,914	171.324 28,700	167.712 29.563 1433.589	14.313	4,3,558 3,001	124.734 7.277 22.262	18,444 88.077 79,816	173,876 89,637 2,008	32.745 34.368 76	26,014 10,497	49,336 374,332 4,488	14.700 3.962	27,251 21,462 12,848	140,631 74,098 11,022	444,923 727	79,107 59,918	6,077 9,388	2,760,657
APPROVED FOR CONSTRUCTION	Milcage	29.3 4.	8.6	43.1	8.8 2.9	127.2 87.9 46.4	12.8	1.5	36.0 202.3	37.9	1,6.1	20.4 158.0	2.98	15.4	2.4	3.9 3.9	3.2 10.5	1.7	1.268.5
	1935 Public Works Funds		\$ 63,239	191.978	67, 844 26, 342	328,100 454,516 398,825	41.075 245.268	58,400 61,843	404.810 57.934	88.725 129.750 143.166	1.134.000	42,705	157,683	66, 601	72,298	71,593 40,373	154.305	93,911	4.638.903
	1934 Public Works Funds	tygo, 024 55,005	11,769	493,638	213,621 68,165	46,750	73,175 18,643	5,000	323.876 4.361	13.239		240,732 383,181 55,500	45.872 39.465	100.851 311.279	112,129	12,950 27,739	64, 518 209, 921		3.533.903
UNDER CONSTRUCTION	Mileage	114.5 35.1 105.2	122.7	14.0 21.3 75.3	38.7 237.2 68.9	198.2 69.7 42.8	25.6 25.5	3.7 168.8 55.1	130.2 57.1 9.3	162.1 12.5 7.4	81.3 85.5	137.8 133.0 148.1	175.8 25.3 332.6	17.3 99.3 116.1	175.4	25.2 49.7 18.3	49.5 45.8	4.92	3.762.1
	1935 Public Works Funds		189.868		50,000	3,800	223, 549	25, 468		397.447	899,900		102,899		105, 224			103.987	2,102,142
	1934 Public Works Funds	* 1.482.769 1.057.945	1,515,911 208,000 659,120	260, 326 525, 378 812, 927	250.824 4,093.768 534.106	1.350.150 1.562,680 1.27.892	878.530 13.000 363.993	102,613 2,382,230 783,287	1.246.917 680.870 123.005	1,164,997 128,692 165,556	510.192	975.782 404.321 1.578,403	1,835,593 452,280 4,103,850	227,407 768,414 376,779	1.035.213 2.075.950 225.945	288,680 546,855 404,261	858.116 508,621 129.720	468,117	43.207.595
	Estimated Total Cost	4, 1, 482, 769 1, 182, 907 1, 057, 917	1.774.376 793.196 664.916	260, 326 525, 378 812, 927	316,907 4,093,768 534,106	1.525,282 1.562,680 1.29,277	873.530 236.549 377.919	2, 397, 155 808, 755	1.246.917 680.986 133.454	1.562.693 199.060 165.556	510.192	975.782 404.321 1.698.470	1,908.852 533.275 4,289,412	227,407 768,414 376,779	1,035,213 2,230,251 365,511	327,488 575.744 404.261	865.194 527,251 132.948	572.104	47,626,131
COMPLETED	Mileage	5.7 1.2 143.6	150.7	53.7	81.6	123.8 92.9 172.9	20.9 78.4 37.6	11.5	443.1 216.7	124.4 96.7 18.3	142.1	84. 0 68. 2 256. 7	93.3 83.2 325.9	15.3 45.3 231.6	69.1 590.1 133.1	11.5 155.6 155.4	4.4 121.9 139.3	5.0	4.881.2
	1935 Public Works Funds																		
	1934 Public Works Funds	89.081 114.154 162.798	1.781.435 1.481.932	20, 825 752, 875 580, 320	870,738 1.087,838	972,900 959,721 1,407,032	322.423 822.202 486.235	367.128 713.750 1.508.312	2,148,405 1,734,924	759.498 960.180 311.828	56,550 735,923 1,524,396	1.114.722 289.278 2.232.757	408.034 1.070.482 3.201.508	185,058 474,065 801,964	835.182 3.749.970 811.709	1.095,192	116.819 1.706.843 935.694	1,76,040	43,037,366
	Total Cost	\$ \$9,081 114.319 162,392	2,152,721	20, 825 755, 468 580, 820	923.716 1.088,445	1.014.215 959.962 1.418.657	322, 703 906, 666 486, 235	367.128 713.750 1.525.211	2.156.918 1.734.924	760.551 960.180 352.652	56.550 735.923 1.627.271	1.115.121 289.278 2.423.807	1,177.613 3,201.919	185,058 474,065 801,964	842.318 4.155.331 871,007	1.158.568 1.137.562 665.204	116,819 1,811,660 956,796	1476.040	44.774.799
MENTS	Act of June 18, 1934 (1935 Fund)	1, 064,960 998,032	1.983.051 871.502 420,368	230, 849 665, 335 1, 278, 373	824,450 3.345,525	1.590,000 1.279,419 1.336,409	838,953 427,597 1.067,934	1.513.142	354,022 1.852,122 942,434	991.091 852.000 242.365	460,000 735,425 4,252,400	1,210,235 734,742 1,966,253	1,171,295 774,454 2,639,003	295,000 692,739 761,911	1,075,748 533,173	241, 354 941, 347 776, 603	570,083 1,482,551 571,928	730, 382 351,000	49,400,172
APPORTIONMENTS	c. 204 of the Act f June 16, 1933 (1934 Fund)	± 2.072.033 525,423 1,484,634	3,480,440 1.718,632 659,120	1,307,815 2,320,973	1,121,562 5,410,040 602,271	2,413,358 2,522,401 1.837,926	1, 398, 862 842, 479 891, 132	488.185 3.184.057 2.376.415	1.744.669 2.923.273 1.859.937	1,957,240 1,136,479 477,460	56.550 1.272.129 3.608.768	2.380.573 1.451.112 3.871.148	2, 304, 199 1, 526, 724 7, 344, 822	439.716 1.364.791 1.502.870	2,123,155 6,012,518 1,048,677	438,880 1,699,920 1,080,673	1,118,559 2,425,385 1,125,332	950.234	92,539,521
	STATE	Alabama Arizona Arkansas	California Colorado Connecticut	Delaware Florida Georgia	Idaho Illinois Indiana	lowa Kansas Kentucky	Louisiana Maine Maryland	Massachusetts Michigan Minnesota	Mississippi Missouri Montana	Nebraska Nevada New Hampshire	New Jersey. New Mexico New York	North Carolina North Dakota	Oregon Pennsylvania	Rhode Island South Carolina South Dakota	Tennessee. Texas Utah	Vermont Virginia Washington	West Virginia Wisconsin Wyoming	District of Columbia Hawaii	TOTALS

1.014.572 2.582.811 3.047.643 2,695,787 4,683,086 2,804,913 4,685,180 2,093,963 7,359,149 1.491.965 4.518.886 1.459.601 546.865 2.661.344 5.113.491 2,963,932 1,186,264 1,458,564 3,350,474 5,684,268 3,062,283 2.636.844 1.988.304 867.615 3, 220, 879 2, 007, 138 5, 850, 021 4, 224, 173 2, 844, 759 7, 865, 012 4,128,691 12,291,253 1,086,560 3,441,696 2,616,724 BALANCE OF FUNDS AVAILABLE FOR NEW PROJECTS 4,191,886 2,069,014 3,428,049 7,664,302 2,058,699 1,454,868 2.038.583 5.820.459 5.088.963 3.314.561 3.424.867 3.098.501 168.096.796 Public Wor Funds 586,608 419,166 95,092 111.836 236.185 301.576 339.928 928,689 154,618 133.882 96.368 67.492 183.791 102.720 .746.155 880.575 846.612 22.732 79.579 171,162 232,458 213,408 286,028 62,095 186,323 192.104 6.307 368,494 67,601 153.661 115.839 746.586 425.799 186.703 346.134 215,466 88,327 633,616 1934 Public Works Funds 312,101 91,598 288,297 66.915 13,277,745 140.073 AS PROVIDED BY SECTION 204 OF THE NATIONAL INDUSTRIAL RECOVERY ACT (1934 FUNDS) AND BY THE ACT OF JUNE 18, 1934 (1935 FUNDS) 18.1 8.2 2, 386.4 25.3 15.0 113.2 242.3 97.8 102.6 25.9 15.7 28.5 2.2 67.9 30.6 4.2 4.5 58.8 1.4 14.9 322.1 22.7 173.3 83.9 27.5 Mileage APPROVED FOR CONSTRUCTION 1935 Public Works Funds 3, 539, 400 616,767 189.426 638,000 844, 440 1.238, 441 964, 821 907.074 314.052 55.645 2,128,740 188.143 2444.794 323.691 326.635 628,494 422,951 392,540 157.640 172.017 1.473.400 1.692.805 719.810 554.507 267,904 667.052 174.299 672.921 24.985.001 CURRENT STATUS OF UNITED STATES PUBLIC WORKS ROAD CONSTRUCTION 1934 Public Works Funds 3,122 4,919 31,997 979,194 1.045,889 611,860 324, \$50 5, 327 618, 210 1.176 468,400 44,460 595,800 73.837 66,000 13.838.726 648, 642 138, 121 479, 182 155.453 889.345 127,088 256,075 13,327 875.755 260.946 45.318 871.258 882.839 55.500 180,667 634,487 430.823 10.670 296.735 73.739 434.8 120.4 255.0 24.6 288.3 273.2 302.6 137.6 156.3 107.9 268.5 30.7 61.0 92.1 309.7 201.7 318.3 346.8 296.1 67.7 16.1 55.5 76.0 49.9 90.6 328.6 33.4 8,831.3 Milcage 1935 Public Works Funds 404,829 330,400 335.896 130.300 491.624 163.053 159.876 269.337 6.918.203 66, 386 120.447 46,202 102,899 435.571 252,213 1.938.500 UNDER CONSTRUCTION SUMMARY OF CLASSES 1, 2, AND 3. 3, 414, 059 3, 414, 059 3.291.136 4.054.739 1.607.016 9.939.135 7.003.566 851.597 1.953.223 1.693,464 12.104,746 6.605,028 4,493,7**6**0 3,436,768 2,463,578 5,048,927 9,267,630 2,950,600 . 921.367 .611.288 905.380 3,939,915 1,228,132 480,184 4.912.495 1.021.605 15.749.120 3.173.903 8.262.102 835.929 901.055 2.130.028 1.955.300 2.906.240 2.867.011 1.247.914 1,649,631 5.443.543 1.590.981 4.182.780 1.150.134 1.919.663 3.812.813 3.843.397 1.253.961 5.605.763 1934 Public Works Funds 176.997.143 SEPTEMBER 30, 1934 imated Total Cost 5.526.977 5.353.217 1.324.512 7.404.144 2.073.656 4.530.736 5, 276, 539 3, 868, 600 2, 650, 532 5,177,603 9,474,330 4,320,770 5,022,902 1.364,832 538,791 5.121.593 1.021.605 21.397.002 4,088,473 1,454,096 6,133,470 4.135.013 1.781.889 10.497.072 375.613 3.433,628 2.355.019 2,455,428 2,455,428 2,118,353 3.117.003 2.940.337 1.735.336 1.095.448 9.752.487 1.756.481 2.130.366 1.150.134 2.061.795 3.956.958 1.811.940 3,824,380 1,388,857 1,107,016 3.264.661 8.506.783 1.426.769 203.026.793 8.7 148.2 224.3 42.8 118.4 533.1 74.6 212.3 9.0 229.9 278.9 32.0 338.8 184.0 372.3 14.9 330.4 104.6 634.8 554.5 315.1 20.5 141.5 351.2 339.3 245.1 435.7 1.24 43.8 310.9 530.5 13.902.6 Mileage OF AS 1935 Public Works Funds COMPLETED 1934 Public Works Funds 5.170.115 6.647.509 4.295.499 1.205,618 3.124.195 7.059.027 1.300.978 6.461.460 6.466.318 1.262.382 4.538.872 6.367.573 4.221.030 3.248.481 9.728.236 1.511.259 1.628.254 3.081.124 4.547.965 13.753.645 3.204.161 4, 580, 290 4, 042, 477 8,223,525 5,952,210 911,933 480.244 3.177.454 3.553.023 2,600,538 4,304,297 2,074,369 1.956.203 2.155.836 1.235.958 3.808.291 3.247.393 1.413.142 4,407.631 4.393.326 8.169.747 1.360.275 6.487.552 3.185.921 1.965.847 3.391.260 1.798.075 1,086,051 189.886.386 5.075.301 5.099.162 3.311.133 10.272.849 6.055.051 915.469 4,066,303 3,565,260 2.710.512 4.318.278 2.076.041 1.957.716 2.253.385 1.249.757 1.536.414 3.126.345 7.151.309 2.166.630 7.020.434 6.750.530 4.584.948 3.247.393 1.475.986 1.263,279 4,682,802 7,100,899 4,687,435 3,465,574 10,465,351 4,450.946 4.755.264 8.234.174 1.574.126 1.628.254 3.179.877 4,706,225 4,084,417 1.360.275 6.689.591 3.419.294 1,086,051 3,019,677 3,499,889 2,134,864 5.395.243 6.660.246 4.341.365 203.543.864 Total Cost Act of June 18, 1934 (1935 Fund) 2.963.932 1.711.586 1.810.058 3.540.227 6.173.740 3.769.734 3,964,364 3.220.879 2.941.700 11.327.921 4, 840, 941 2, 938, 967 7, 865, 012 4,685,180 3,097.814 9.590.788 1.014.572 2.770.954 3.047.643 4.302.991 12.291.253 2.132.691 3,106,412 3,106,412 2.280.335 4.941.837 2.287.712 973.842 949.778 7.932.206 3.486.006 1.454.868 2,277,486 8,921,401 5,088,963 5,118,361 5,117,675 3,818,311 3.350.474 6.452.568 5.425.551 4, 259, 842 2,641,935 3,428,049 2.661.345 5.113.491 200,000,000 APPORTIONMENTS 204 of the Act June 16, 1933 (1934 Fund) 15.607.354 6.874.530 2.865.740 1,819,088 5,231,334 10,091,185 4,486,249 17.570.770 10.037,843 6.978.675 12.180,306 7.439.748 8.492.619 24.244.024 4.194.708 1.867.573 7.416.757 6.115.867 4.474.234 9.724.881 4.501.327 1,918,469 8,370,133 5,211,960 6,748,335 10,055,660 10,089,604 7.517,359 5,828,591 3,369,917 3,564,527 6,346,039 5,792,935 22,330,101 9.522,293 5.804,448 9,216,798 6,106,896 18,891,004 1.998.708 5.459.165 6.011.479 6.597.100 12.736.227 10.656.569 7.828.961 4.545.917 1.909.839 94,000,000 strict of Columbia. Nebraska Nevada New Hampshire. North Carolina North Dakota Ohio Rhode Island South Carolina South Dakota STATE assachusetts ichigan innesota Oklahoma Oregon Pennsylvania New Jersey New Mexico New York West Virginia Wisconsin Wyoming TOTALS Mississippi Missouri Montana Virginia Washington California Colorado Louisiana. Maine Maryland Tennessee Texas Utah Delaware. Florida Georgia Kansas Kentucky Alabama. Arizona... Arkansas. Vermont Idaho.

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