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YEAR BUILT, HOUSEHOLD EQUIPMENT, AND COOKING AND HEATING FUEL, FOR DWELLING UNITS IN THE UNITED STATES: APRIL 1, 1950

Preliminary Data

(The first report in this series, "Housing Characteristics of the United States: April 1, 1950," Series HC-5, No. 1, contains statistics on such housing characteristics as number of rooms and persons, condition and plumbing facilities, tenure, rent, and value)

Almost every home had a radio in April 1950, about 1 out of 8 had a television set, and 4 out of 5 had mechanical refrigeration, according to preliminary sample data from the 1950 Census of Housing. Utility gas was the predominant cooking fuel and coal ranked first among the fuels used for heating homes. Figures on these and other housing characteristics, based on preliminary sample data from the 1950 Census of Housing, were released today by Roy V. Peel, Director, Bureau of the Census, Department of Commerce.

Year built.--During the last five years, the Nation had one of the greatest building booms in its history. By 1950, units in structures built in 1945 or later amounted to 5.9 million, or 13 percent of all dwelling units. The volume of building for this period, January 1945 to April 1950, averaged approximately 1.1 million units per year. Nonfarm units accounted for 90 percent of the new units; the volume of nonfarm housing averaged approximately 1.0 million units per year.

About 3.3 million units were in structures built between 1940 and 1944; thus, there was a total of 9.2 million units, or 21 percent, in structures less than 10 years old. On the other hand, 20.1 million units, 48 percent of the total, were in structures more than 30 years old.

Proportionately more of the rural-nonfarm units were new as compared with the proportions among the urban and rural-farm groups; about one-fifth (21 percent) of the rural-nonfarm units were in structures built in 1945 or later, compared with 12 percent of the urban and 9 percent of the rural-farm units. In contrast, the rural-farm group had proportionately more old units; over half (54 percent) of the rural-farm units were in structures which were more than 30 years old.

The "year built" reported in the census refers to the date of original construction.

Units resulting from conversion are reported according to the date of construction of the original structure rather than the date of conversion. The figures on year built represent the total number of units constructed during a given period plus the number created by conversions in structures originally built during the same period, minus the number lost in structures built during the period. Losses occur through demolition, fire, flood, disaster, and conversion to nonresidential use or to fewer dwelling units.

Although there were 9.2 million dwelling units in structures built during the last decade, the net increase in the dwelling unit inventory since 1940 amounted to 8.5 million units. The 9.2 million is the number of units remaining after gains and losses had taken place in structures built during the 1940's. The 700,000 difference between the 9.2 million and the 8.5 million represents the net loss of units in structures built prior to 1940; that is, among the older structures, there were 700,000 more units lost to the supply than were gained through conversions. (The 700,000 is based on units for which year built was reported. It is possible that the figure would be larger if complete reports had been obtained for all units.)

Electric lighting.--About 94 percent of the total dwelling units had electric lighting in 1950 compared with 79 percent in 1940. Electric lighting was installed in most of the new units built during the decade; it was also installed in a substantial number of existing units, particularly in the rural areas where power lines had been extended.

Practically all the dwelling units in urban areas had electric lighting. However, in rural areas, electric lighting was lacking in 10 percent of the rural-nonfarm homes and 22 percent of the farm homes.

P R E L I M I N A R Y

for the refrigeration of food for the household. "Mechanical" refrigeration includes any type of refrigerator operated by electricity, gas, kerosene, gasoline, or other source of power. "Ice" refrigeration includes a refrigerator, box, or chest cooled by ice supplied from an outside source.

"Other" refrigeration includes devices such as a spring house, an ice house, cooler, or well cooler used to refrigerate food, and any evaporative cooler which is operated by the application of water. A window box, root cellar, open spring, or basement is classified as "none."

The 1940 definitions were essentially the same.

Kitchen sink.--A dwelling unit is reported as having a kitchen sink if it has a sink with a drain pipe leading to the outside. The sink need not have running water piped to it.

Usually, the sink is located in the kitchen; a sink which is located elsewhere within the structure and used in the washing of dishes or cooking utensils is also considered a kitchen sink. However, a washbowl, basin, or lavatory located in a bathroom or bedroom is not a "kitchen sink."

The data shown in this report refer only to kitchen sinks inside the structure. The sink may be located in the dwelling unit or elsewhere in the structure or in an enclosed porch. A sink on an open porch, however, was not enumerated as a kitchen sink.

Heating and cooking fuel.--The data shown for heating fuel represent the one fuel that is used most for heating. Similarly, the data for cooking fuel refer to the principal fuel used for cooking. In general, the 1950 and 1940 categories for fuel are similar. However, there are some differences in the categories for gas, liquid fuel, and other fuel.

Results of the 1950 Census are shown separately for utility gas and bottled gas. Utility gas is piped into the dwelling unit from mains leading from a central system which is generally owned and operated by a public utility company or by the municipal government. The gas may be either manufactured or natural. Bottled gas is supplied to the consumer in containers (cylinders or tanks) which are replaced or refilled as needed. In 1940, the one category "gas" included both utility and bottled gas.

Liquid fuel in the 1950 data includes fuel oil, gasoline, kerosene, furnace oil, distillate oil, coal oil, stove oil, range oil, lamp oil, and alcohol. In 1940, fuel oil, gasoline, and kerosene were shown separately, and the remaining liquid fuels were included in the "other" category.

Heating equipment.--The 1950 data shown for heating equipment represent the equipment available for heating the dwelling unit during the winter months. Dwelling units are reported as having heating equipment even though the heating system or furnace may be temporarily out of

order or not in operation because of cost or inconvenience.

In both 1950 and 1940, central heating equipment consists of "piped steam or hot water" and "warm air furnace." The 1950 category "warm air furnace" is comparable to the combined categories "piped warm air system" and "pipeless warm air furnace" of 1940.

For noncentral heating equipment in 1950, distinction is made between equipment with flue and without flue. Equipment "with flue" includes fireplaces and flue-connected heating stoves. Flue-connected stoves or ranges which are used primarily for cooking are also included if they are the major source of heat for the dwelling unit. A flue is defined as a pipe or enclosed passage to carry the smoke or fumes from the equipment to the outside of the structure. Units which are not heated are reported in a separate category.

In 1940, units with noncentral heating equipment and units not heated were classified "without central heating." The categories for units without central heating were "heating stove" and "other or none." "Heating stoves" comprised heating equipment with flue and also nonportable electric or gas heaters (with no flue). Included in the group "other or none" were units with portable heating equipment and units having fireplaces or cook stoves as the major source of heat, as well as units with no heating equipment.

SOURCE AND RELIABILITY OF DATA

Source of data.--The 1950 figures presented in this report are based on a sample of approximately 46,000 dwelling units selected from those enumerated in the 1950 Census of Housing. These dwelling units are located in about 14,000 census enumeration districts systematically selected from all enumeration districts throughout the country. The distribution of the sample among the regions was approximately as follows:

Region	Dwelling units in sample	Enumeration districts in sample
Northeast.....	11,300	3,700
North Central.....	14,300	4,000
South.....	10,200	3,300
West.....	10,200	3,000

The estimate of total dwelling units was obtained from the full sample of 46,000. However this sample was divided into five subsamples of approximately equal size. Each figure in the report, except total dwelling units, was obtained from one subsample. Consequently, each figure is based on approximately 9,200 dwelling units. For a given characteristic, the estimates were adjusted so that their sum would equal the estimate of total dwelling units.

The 1940 figures in this report are the results of the complete enumeration in the 1940

Census of Housing. These and more detailed figures on the same subjects may be found in the 1940 Census Reports on Housing.

Each of the 1950 figures is independently rounded to the nearest thousand; therefore the detailed figures do not necessarily add to the totals. Percentages for 1950 are based on the rounded absolute figures.

Reliability of 1950 estimates.--Because the 1950 estimates are based on sample data, they are subject to sampling variability. Although the smaller figures are subject to large relative sampling variability, they are shown in the tables to permit the analysis of various combinations which would have smaller relative sampling variability.

The following table presents the approximate sampling variability of estimates of selected sizes. The sampling variability is about the same in the Northeast and North Central Regions. In the South it is somewhat higher, while in the West it is somewhat lower. The chances are about 19 out of 20 that the difference due to sampling variability between an estimate and the figure which will be available later from the complete tabulations of the 1950 Census is less than the sampling variability indicated below.

Size of estimate of 1950 data	Sampling variability of 1950 data in--			
	United States	Northeast and North Central Regions	South Region	West Region
10,000....	16,000	16,000	18,000	12,000
25,000....	25,000	24,000	30,000	18,000
50,000....	35,000	36,000	44,000	26,000
100,000....	50,000	50,000	62,000	38,000
250,000....	79,000	76,000	97,000	60,000
500,000....	111,000	110,000	138,000	84,000
1,000,000....	157,000	152,000	193,000	116,000
3,000,000....	271,000	264,000	315,000	200,000
5,000,000....	349,000	340,000	412,000	252,000
7,000,000....	411,000	400,000	467,000	...
10,000,000....	489,000	474,000	545,000	...
12,000,000....	533,000	...	554,000	...
20,000,000....	678,000	...	...	...
30,000,000....	815,000	...	...	...
40,000,000....	922,000	...	...	...

The 1950 data in the tables also include percent distributions. In general, the reliability of an estimated percentage depends upon both the size of the percentage and the size of the total on which it is based. The following table presents the approximate sampling variability of estimated percentages based on totals of selected sizes.

If the estimated 1950 percentage is:	And if the size of the base is:									
	250,000	500,000	1,000,000	2,500,000	5,000,000	10,000,000	12,500,000	15,000,000	25,000,000	42,500,000
	Then the chances are about 19 out of 20 that the difference due to sampling variability between the estimated percentage and the percentage which will be available later from the complete tabulation of the 1950 Census is less than:									
	United States									
2 or 98	4	3	2	1	1	1	1	1	(1)	(1)
5 or 95	7	5	3	2	2	1	1	1	1	1
10 or 90	9	7	5	3	2	1	1	1	1	1
25 or 75	14	10	7	4	3	2	2	2	1	1
50	16	11	8	5	4	2	2	2	2	1
	Northeast and North Central Regions									
2 or 98	4	3	2	1	1	1	1	...	...	...
5 or 95	7	5	3	2	1	1	1	...	...	...
10 or 90	9	6	4	3	2	1	1	...	...	...
25 or 75	13	9	6	4	3	2	2	...	...	...
50	15	11	7	5	3	2	2	...	...	...
	South Region									
2 or 98	6	4	3	2	1	1	1	...	...	...
5 or 95	8	6	4	3	2	1	1	...	...	...
10 or 90	12	8	6	4	2	2	2	...	...	...
25 or 75	17	12	8	5	4	3	2	...	...	...
50	20	14	10	6	4	3	3	...	...	...
	West Region									
2 or 98	3	2	2	1	1	...	...	...	...	...
5 or 95	5	4	3	2	1	...	...	...	...	...
10 or 90	7	5	4	2	2	...	...	...	...	...
25 or 75	10	7	5	3	2	...	...	...	...	...
50	11	9	6	4	3	...	...	...	...	...

¹ Less than one-half percent.

To illustrate, of the estimated 5,785,000 rural-farm dwelling units in the United States reporting on refrigeration equipment, 61 percent had mechanical refrigeration. The sampling variability is about 3 percent. The chances are about 19 out of 20 that the percentage obtained from the complete tabulation of the 1950 Census will be between 58 percent and 64 percent.

The 1940 figures are used as the base in computing the percent change from 1940 to 1950. Since the 1940 data are not based on a sample, the sole cause of the sampling variability in these percentages is the variability in the 1950 estimates. The sampling variability of any percent change, therefore, is the sampling error of the estimated number of dwelling units possessing that particular characteristic in 1950, divided by the 1940 figure for that characteristic.

Although the figures are based on data transcribed from the 1950 Census, there may be differences between the data in the present report and the data to be published in the final 1950 Census reports, apart from differences caused by the sampling variability. The main reason for such differences is that the preliminary estimates do not include all of the refinements that result from the careful examination of the schedules and tables to which the census data will be subject prior to the publication of the final report.

In addition to sampling variation and limitations of the types mentioned above, the estimates are subject to biases due to errors of response and to nonreporting. The possible effect of such biases is not included in the measures of reliability; data obtained from a complete count of all dwelling units are also subject to these biases.

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Table 1.--YEAR BUILT, TELEVISION, AND KITCHEN SINK, FOR DWELLING UNITS, FOR THE UNITED STATES, URBAN AND RURAL: 1950

Subject	Total		Urban and rural nonfarm						Rural farm	
			Total		Urban		Rural nonfarm			
	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent
All dwelling units.....	45,875,000	...	39,390,000	...	29,256,000	...	10,134,000	...	6,485,000	...
YEAR BUILT										
Number reporting.....	44,117,000	100.0	37,846,000	100.0	28,292,000	100.0	9,555,000	100.0	6,271,000	100.0
1945 or later.....	5,877,000	13.3	5,306,000	14.0	3,351,000	11.8	1,955,000	20.5	571,000	9.1
1940 to 1944.....	3,348,000	7.6	3,017,000	8.0	2,186,000	7.7	831,000	8.7	331,000	5.3
1930 to 1939.....	5,885,000	13.3	4,984,000	13.2	3,351,000	11.8	1,633,000	17.1	900,000	14.4
1920 to 1929.....	8,907,000	20.2	7,806,000	20.6	6,267,000	22.2	1,540,000	16.1	1,101,000	17.6
1919 or earlier.....	20,101,000	45.6	16,732,000	44.2	13,137,000	46.4	3,595,000	37.6	3,368,000	53.7
Occupied dwelling units....	42,520,000	...	36,626,000	...	28,108,000	...	8,518,000	...	5,894,000	...
TELEVISION										
Number reporting.....	41,704,000	100.0	35,987,000	100.0	27,644,000	100.0	8,342,000	100.0	5,717,000	100.0
With television.....	5,120,000	12.3	4,946,000	13.7	4,376,000	15.8	571,000	6.8	174,000	3.0
No television.....	36,584,000	87.7	31,040,000	86.3	23,268,000	84.2	7,772,000	93.2	5,543,000	97.0
KITCHEN SINK										
Number reporting.....	42,014,000	100.0	36,221,000	100.0	27,802,000	100.0	8,419,000	100.0	5,793,000	100.0
With kitchen sink.....	35,683,000	84.9	32,404,000	89.5	26,220,000	94.3	6,183,000	73.4	3,279,000	56.6
No kitchen sink.....	6,331,000	15.1	3,818,000	10.5	1,582,000	5.7	2,236,000	26.6	2,514,000	43.4

Table 2.--ELECTRIC LIGHTING, RADIO, REFRIGERATION EQUIPMENT, AND COOKING FUEL, FOR DWELLING UNITS, FOR THE UNITED STATES, URBAN AND RURAL: 1950 AND 1940

Subject	1950										1940, total	
	Total		Urban and rural nonfarm						Rural farm			
			Number	Per-cent	Number	Per-cent	Number	Per-cent			Number	Per-cent	Number	Per-cent
All dwelling units.....	45,875,000	...	39,390,000	...	29,256,000	...	10,134,000	...	6,485,000	...	37,325,470	...
ELECTRIC LIGHTING												
Number reporting.....	44,942,000	100.0	38,587,000	100.0	28,763,000	100.0	9,824,000	100.0	6,355,000	100.0	36,746,761	100.0
With electric lights.....	42,264,000	94.0	37,327,000	96.7	28,443,000	98.9	8,883,000	90.4	4,936,000	77.7	28,915,486	78.7
No electric lights.....	2,678,000	6.0	1,260,000	3.3	319,000	1.1	941,000	9.6	1,418,000	22.3	7,831,275	21.3
Occupied dwelling units....	42,520,000	...	36,626,000	...	28,108,000	...	8,518,000	...	5,894,000	...	34,854,532	...
RADIO												
Number reporting.....	41,932,000	100.0	36,171,000	100.0	27,810,000	100.0	8,362,000	100.0	5,761,000	100.0	33,890,506	100.0
With radio.....	40,093,000	95.6	34,731,000	96.0	26,941,000	96.9	7,790,000	93.2	5,362,000	92.1	28,048,219	82.8
No radio.....	1,839,000	4.4	1,440,000	4.0	868,000	3.1	572,000	6.8	399,000	6.9	5,842,287	17.2
REFRIGERATION EQUIPMENT												
Number reporting.....	41,903,000	100.0	36,118,000	100.0	27,725,000	100.0	8,393,000	100.0	5,785,000	100.0	34,205,414	100.0
Mechanical.....	33,521,000	80.0	29,997,000	83.1	23,983,000	86.5	6,015,000	71.7	3,524,000	60.9	15,093,346	44.1
Ice.....	4,495,000	10.7	3,633,000	10.1	2,536,000	9.1	1,097,000	13.1	862,000	14.9	9,253,063	27.1
Other.....	234,000	0.6	98,000	0.3	67,000	0.2	31,000	0.4	136,000	2.4	494,421	1.4
None.....	3,653,000	8.7	2,390,000	6.6	1,139,000	4.1	1,250,000	14.9	1,263,000	21.8	9,364,584	27.4
COOKING FUEL												
Number reporting.....	41,922,000	100.0	36,130,000	100.0	27,763,000	100.0	8,367,000	100.0	5,792,000	100.0	34,342,311	100.0
Coal.....	3,647,000	8.7	2,850,000	7.9	1,813,000	6.5	1,037,000	12.4	797,000	13.8	3,961,550	11.5
Wood.....	4,252,000	10.1	2,012,000	5.6	731,000	2.6	1,281,000	15.3	2,240,000	38.7	8,101,610	23.6
Gas.....	24,656,000	58.8	23,434,000	64.9	20,353,000	73.3	3,080,000	36.8	1,222,000	21.1	16,776,077	48.8
Utility gas.....	21,402,000	51.1	21,105,000	58.4	19,384,000	69.8	1,721,000	20.6	296,000	5.1	(1)	(1)
Bottled gas.....	3,254,000	7.8	2,328,000	6.4	969,000	3.5	1,359,000	16.2	926,000	16.0	(1)	(1)
Electricity.....	6,132,000	14.6	5,192,000	14.4	3,336,000	12.0	1,856,000	22.2	939,000	16.2	1,837,503	5.4
Liquid and other fuel.....	3,087,000	7.4	2,503,000	6.9	1,418,000	5.1	1,085,000	13.0	584,000	10.1	3,522,664	10.3
Liquid fuel.....	2,812,000	6.7	2,287,000	6.3	1,280,000	4.6	1,007,000	12.0	525,000	9.1	(1)	(1)
Other fuel.....	275,000	0.7	216,000	0.6	138,000	0.5	78,000	0.9	59,000	1.0	(1)	(1)
None.....	148,000	0.4	140,000	0.4	112,000	0.4	28,000	0.3	9,000	0.2	142,907	0.4

Table 3.--HEATING EQUIPMENT AND HEATING FUEL FOR OCCUPIED DWELLING UNITS, FOR THE UNITED STATES, URBAN AND RURAL: 1950 AND 1940

Subject	1950										1940, total	
	Total		Urban and rural nonfarm						Rural farm			
			Total		Urban		Rural nonfarm					
	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent
Occupied dwelling units....	42,520,000	...	36,626,000	...	28,108,000	...	8,518,000	...	5,894,000	...	34,854,532	...
HEATING EQUIPMENT												
Number reporting.....	41,702,000	100.0	35,935,000	100.0	27,628,000	100.0	8,307,000	100.0	5,766,000	100.0	34,149,065	100.0
Central heating.....	20,870,000	50.0	19,883,000	55.3	17,181,000	62.2	2,702,000	32.5	986,000	17.1	14,346,835	42.0
Piped steam or hot water.....	9,736,000	23.3	9,553,000	26.6	8,734,000	31.6	818,000	9.8	183,000	3.2	7,427,754	21.8
Warm air furnace.....	11,134,000	26.7	10,331,000	28.7	8,447,000	30.6	1,884,000	22.7	804,000	13.9	6,919,081	20.3
Noncentral heating and not heated	20,832,000	50.0	16,052,000	44.7	10,447,000	37.8	5,605,000	67.5	4,780,000	82.9	19,802,230	58.0
Noncentral heating.....	20,118,000	48.2	15,413,000	42.9	9,899,000	35.8	5,514,000	66.4	4,704,000	81.6	(1)	(1)
Other means with flue.....	15,024,000	36.0	10,972,000	30.5	6,569,000	23.8	4,403,000	53.0	4,052,000	70.3	(1)	(1)
Other means without flue.....	5,094,000	12.2	4,442,000	12.4	3,330,000	12.1	1,111,000	13.4	653,000	11.3	(1)	(1)
Not heated.....	714,000	1.7	638,000	1.8	548,000	2.0	90,000	1.1	76,000	1.3	(1)	(1)
HEATING FUEL												
Central heating--Number re-	20,724,000	100.0	19,738,000	100.0	17,050,000	100.0	2,688,000	100.0	986,000	100.0	14,152,024	100.0
reporting fuel.....	9,430,000	45.5	8,853,000	44.9	7,575,000	44.4	1,278,000	47.5	577,000	58.5	10,903,163	77.0
Coal.....	250,000	1.2	102,000	0.5	73,000	0.4	29,000	1.1	148,000	15.0	373,322	2.6
Gas.....	5,914,000	28.5	5,812,000	29.4	5,273,000	30.9	538,000	20.0	102,000	10.3	1,109,587	7.8
Utility gas.....	5,719,000	27.6	5,661,000	28.7	5,194,000	30.5	466,000	17.3	58,000	5.9	(1)	(1)
Bottled gas.....	195,000	0.9	151,000	0.8	79,000	0.5	72,000	2.7	44,000	4.5	(1)	(1)
Liquid and other fuel.....	5,130,000	24.8	4,971,000	25.2	4,129,000	24.2	842,000	31.3	159,000	16.1	1,765,952	12.5
Liquid fuel.....	4,678,000	22.6	4,556,000	23.1	3,796,000	22.3	761,000	28.3	122,000	12.4	(1)	(1)
Other fuel.....	452,000	2.2	414,000	2.1	333,000	2.0	81,000	3.0	38,000	3.9	(1)	(1)
Noncentral heating--Number	20,053,000	100.0	15,365,000	100.0	9,865,000	100.0	5,500,000	100.0	4,688,000	100.0	19,469,707	100.0
reporting fuel.....	5,127,000	25.6	3,809,000	24.8	2,149,000	21.8	1,660,000	30.2	1,318,000	28.1	7,622,427	39.2
Coal.....	3,969,000	19.8	1,809,000	11.8	594,000	6.0	1,216,000	22.1	2,159,000	46.1	7,362,155	37.8
Gas.....	5,881,000	29.3	5,532,000	36.0	4,459,000	45.2	1,073,000	19.5	349,000	7.4	2,728,381	14.0
Utility gas.....	5,204,000	26.0	5,105,000	33.2	4,372,000	44.3	733,000	13.3	99,000	2.1	(1)	(1)
Bottled gas.....	676,000	3.4	426,000	2.8	87,000	0.9	340,000	6.2	250,000	5.3	(1)	(1)
Liquid and other fuel.....	5,077,000	25.3	4,215,000	27.4	2,664,000	27.0	1,551,000	28.2	862,000	18.4	1,756,744	9.0
Liquid fuel.....	4,437,000	22.1	3,705,000	24.1	2,365,000	24.0	1,340,000	24.4	732,000	15.6	(1)	(1)
Electricity.....	272,000	1.4	203,000	1.3	115,000	1.2	88,000	1.6	69,000	1.5	(1)	(1)
Other fuel.....	369,000	1.8	307,000	2.0	184,000	1.9	123,000	2.2	62,000	1.3	(1)	(1)

¹ Data not available.

Table 4.--HEATING FUEL BY TYPE OF HEATING EQUIPMENT FOR OCCUPIED DWELLING UNITS, FOR REGIONS, URBAN AND RURAL: 1950 AND 1940

Subject	1950										1940, total	
	Total		Urban and rural nonfarm						Rural farm			
			Total		Urban		Rural nonfarm					
	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent
NORTHEAST												
Occupied dwelling units....	10,920,000	...	10,450,000	...	8,855,000	...	1,595,000	...	471,000	...	9,479,318	...
Central heating--Number re-	8,014,000	100.0	7,792,000	100.0	6,819,000	100.0	973,000	100.0	222,000	100.0	6,271,329	100.0
reporting fuel.....	3,998,000	49.9	3,852,000	49.4	3,339,000	49.0	514,000	52.8	146,000	65.8	4,948,632	78.9
Coal.....	38,000	0.5	7,000	0.1	7,000	0.1	...	...	21,000	14.0	88,080	1.4
Wood.....	1,245,000	15.5	1,238,000	15.9	1,159,000	17.0	79,000	8.1	7,000	3.2	141,405	2.3
Gas.....	1,203,000	15.0	1,196,000	15.3	1,132,000	16.6	64,000	6.6	7,000	3.2	(1)	(1)
Utility gas.....	42,000	0.5	42,000	0.5	28,000	0.4	14,000	1.4	...	...	(1)	(1)
Bottled gas.....	2,732,000	34.1	2,695,000	34.6	2,315,000	33.9	380,000	39.1	38,000	17.1	1,093,212	17.4
Liquid and other fuel.....	2,575,000	32.1	2,547,000	32.7	2,190,000	32.1	356,000	36.6	28,000	12.6	(1)	(1)
Liquid fuel.....	158,000	2.0	148,000	1.9	124,000	1.8	24,000	2.5	10,000	4.5	(1)	(1)
Other fuel.....	2,417,000	30.1	2,399,000	30.6	2,066,000	30.0	332,000	33.9	18,000	8.2	(1)	(1)
Noncentral heating--Number	2,472,000	100.0	2,223,000	100.0	1,641,000	100.0	583,000	100.0	248,000	100.0	2,892,261	100.0
reporting fuel.....	897,000	36.3	813,000	36.6	534,000	32.5	278,000	47.7	84,000	33.9	1,574,778	54.4
Coal.....	247,000	10.0	141,000	6.3	33,000	2.0	108,000	18.5	106,000	42.7	452,911	15.7
Wood.....	346,000	14.0	339,000	15.2	308,000	18.8	32,000	5.5	7,000	2.8	108,624	3.8
Gas.....	335,000	13.6	328,000	14.8	306,000	18.6	22,000	3.8	7,000	2.8	(1)	(1)
Utility gas.....	12,000	0.5	12,000	0.5	2,000	0.1	9,000	1.5	...	...	(1)	(1)
Bottled gas.....	981,000	39.7	931,000	41.9	766,000	46.7	165,000	28.3	51,000	20.6	755,948	26.1
Liquid and other fuel.....	923,000	37.3	872,000	39.2	720,000	43.9	152,000	26.1	51,000	20.6	(1)	(1)
Liquid fuel.....	...	...	...	...	...	...	...	...	...	...	(1)	(1)
Electricity.....	58,000	2.3	58,000	2.6	45,000	2.7	13,000	2.2	...	...	(1)	(1)
Other fuel.....	...	...	...	...	...	...	...	...	...	...	(1)	(1)

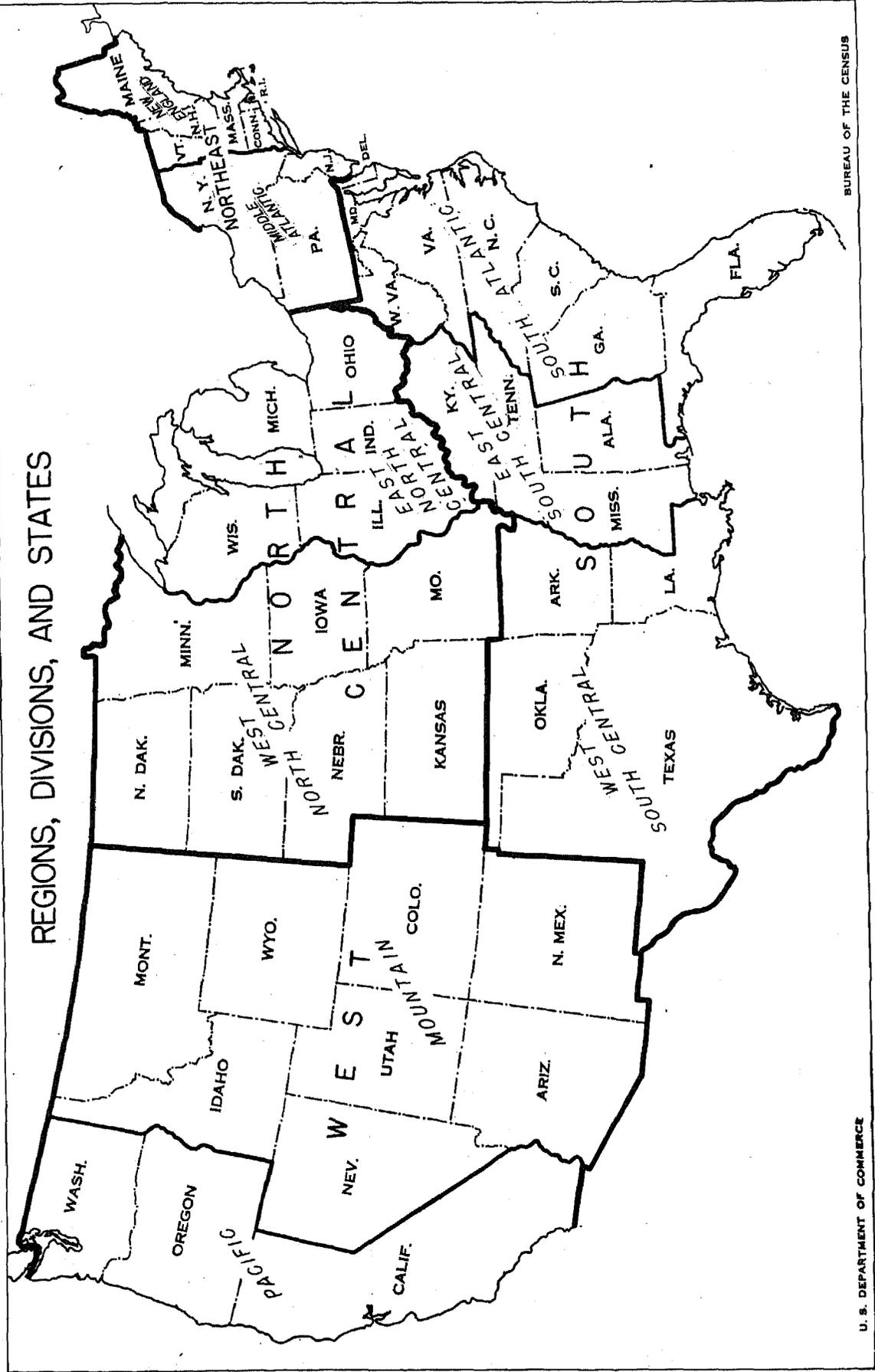
¹ Data not available.

Table 4.--HEATING FUEL BY TYPE OF HEATING EQUIPMENT, FOR OCCUPIED DWELLING UNITS, FOR REGIONS, URBAN AND RURAL: 1950 AND 1940--Con.

(Percent for 1950 not shown where base is less than 100,000)

Subject	1950										1940, total	
	Total		Urban and rural nonfarm						Rural farm		Number	Per-cent
			Total		Urban		Rural nonfarm					
	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent	Number	Per-cent
NORTH CENTRAL												
Occupied dwelling units....	12,887,000	...	10,897,000	...	8,395,000	...	2,502,000	...	1,990,000	...	10,963,388	...
Central heating--Number reporting												
fuel.....	7,616,000	100.0	7,018,000	100.0	5,991,000	100.0	1,027,000	100.0	598,000	100.0	5,684,380	100.0
Coal.....	4,432,000	58.2	4,057,000	57.8	3,456,000	57.7	601,000	58.5	375,000	62.7	4,910,595	86.4
Wood.....	106,000	1.4	14,000	0.2	9,000	0.2	5,000	0.5	92,000	15.4	154,501	2.7
Gas.....	1,856,000	24.4	1,802,000	25.7	1,647,000	27.5	155,000	15.1	53,000	8.9	313,737	5.5
Utility gas.....	1,782,000	23.4	1,765,000	25.1	1,636,000	27.3	130,000	12.7	17,000	2.8	(1)	(1)
Bottled gas.....	73,000	1.0	37,000	0.5	12,000	0.2	25,000	2.4	36,000	6.0	(1)	(1)
Liquid and other fuel.....	1,222,000	16.0	1,145,000	16.3	879,000	14.7	266,000	25.9	77,000	12.9	305,547	5.4
Liquid fuel.....	1,099,000	14.4	1,040,000	14.8	802,000	13.4	237,000	23.1	59,000	9.9	(1)	(1)
Other fuel.....	123,000	1.6	105,000	1.5	77,000	1.3	28,000	2.7	19,000	3.2	(1)	(1)
Noncentral heating--Number re-												
porting fuel.....	4,939,000	100.0	3,602,000	100.0	2,194,000	100.0	1,408,000	100.0	1,337,000	100.0	5,077,076	100.0
Coal.....	1,844,000	37.3	1,289,000	35.8	758,000	34.5	531,000	37.7	555,000	41.5	3,174,470	62.5
Wood.....	566,000	11.5	487,000	5.2	49,000	2.2	138,000	9.8	378,000	28.3	1,321,311	26.0
Gas.....	821,000	16.6	790,000	21.9	589,000	26.8	201,000	14.3	31,000	2.3	202,376	4.0
Utility gas.....	741,000	15.0	731,000	20.3	579,000	26.4	152,000	10.8	10,000	0.7	(1)	(1)
Bottled gas.....	80,000	1.6	59,000	1.6	10,000	0.5	49,000	3.5	21,000	1.6	(1)	(1)
Liquid and other fuel.....	1,709,000	34.6	1,335,000	37.1	798,000	36.4	537,000	38.1	373,000	27.9	378,919	7.5
Liquid fuel.....	1,563,000	31.6	1,203,000	33.4	720,000	32.8	484,000	34.4	360,000	26.9	(1)	(1)
Electricity.....	19,000	0.4	17,000	0.5	10,000	0.5	7,000	0.5	2,000	0.1	(1)	(1)
Other fuel.....	126,000	2.6	115,000	3.2	69,000	3.1	47,000	3.3	11,000	0.8	(1)	(1)
SOUTH												
Occupied dwelling units....	12,795,000	...	9,881,000	...	6,634,000	...	3,248,000	...	2,914,000	...	10,278,204	...
Central heating--Number reporting												
fuel.....	2,683,000	100.0	2,607,000	100.0	2,203,000	100.0	404,000	100.0	76,000	...	1,121,741	100.0
Coal.....	758,000	28.3	731,000	28.0	619,000	28.1	112,000	27.7	27,000	...	770,009	68.6
Wood.....	51,000	1.9	27,000	1.0	13,000	0.6	13,000	3.2	24,000	...	20,269	1.8
Gas.....	1,179,000	43.9	1,162,000	44.6	1,009,000	45.8	153,000	37.9	17,000	...	152,109	13.6
Utility gas.....	1,139,000	42.5	1,122,000	43.0	982,000	44.6	140,000	34.7	17,000	...	(1)	(1)
Bottled gas.....	40,000	1.5	40,000	1.5	27,000	1.2	13,000	3.2	...	...	(1)	(1)
Liquid and other fuel.....	694,000	25.9	687,000	26.4	561,000	25.5	126,000	31.2	7,000	...	179,354	16.0
Liquid fuel.....	623,000	23.2	623,000	23.9	511,000	23.2	112,000	27.7	...	...	(1)	(1)
Other fuel.....	71,000	2.6	64,000	2.5	51,000	2.3	13,000	3.2	7,000	...	(1)	(1)
Noncentral heating--Number re-												
porting fuel.....	9,333,000	100.0	6,642,000	100.0	3,995,000	100.0	2,647,000	100.0	2,692,000	100.0	8,707,387	100.0
Coal.....	2,082,000	22.3	1,464,000	22.0	713,000	17.8	751,000	28.4	618,000	23.0	2,392,365	27.5
Wood.....	2,700,000	28.9	1,173,000	17.6	390,000	9.8	781,000	29.5	1,329,000	56.8	4,865,033	55.4
Gas.....	2,926,000	31.4	2,684,000	40.4	2,103,000	52.6	581,000	21.9	242,000	9.0	1,378,907	15.8
Utility gas.....	2,499,000	26.8	2,447,000	36.8	2,072,000	51.9	374,000	14.1	52,000	1.9	(1)	(1)
Bottled gas.....	427,000	4.6	237,000	3.6	31,000	0.8	207,000	7.8	189,000	7.0	(1)	(1)
Liquid and other fuel.....	1,625,000	17.4	1,322,000	19.9	788,000	19.7	534,000	20.2	303,000	11.3	371,082	4.3
Liquid fuel.....	1,333,000	14.3	1,120,000	16.9	673,000	16.8	447,000	16.9	213,000	7.9	(1)	(1)
Electricity.....	149,000	1.6	104,000	1.6	67,000	1.7	37,000	1.4	45,000	1.7	(1)	(1)
Other fuel.....	144,000	1.5	98,000	1.5	48,000	1.2	50,000	1.9	46,000	1.7	(1)	(1)
WEST												
Occupied dwelling units....	5,917,000	...	5,398,000	...	4,224,000	...	1,173,000	...	520,000	...	4,133,622	...
Central heating--Number reporting												
fuel.....	2,411,000	100.0	2,320,000	100.0	2,037,000	100.0	284,000	100.0	90,000	...	1,074,574	100.0
Coal.....	241,000	10.0	213,000	9.2	161,000	7.9	52,000	18.3	29,000	...	273,927	25.5
Wood.....	54,000	2.2	54,000	2.3	44,000	2.2	11,000	3.9	...	...	110,472	10.3
Gas.....	1,634,000	67.8	1,609,000	69.4	1,458,000	71.6	151,000	53.2	25,000	...	502,336	46.7
Utility gas.....	1,594,000	66.1	1,578,000	68.0	1,445,000	70.9	133,000	46.8	16,000	...	(1)	(1)
Bottled gas.....	40,000	1.7	32,000	1.4	13,000	0.6	19,000	6.7	8,000	...	(1)	(1)
Liquid and other fuel.....	481,000	20.0	444,000	19.1	374,000	18.4	70,000	24.6	37,000	...	187,839	17.5
Liquid fuel.....	381,000	15.8	347,000	15.0	292,000	14.3	54,000	19.0	35,000	...	(1)	(1)
Other fuel.....	100,000	4.1	98,000	4.2	82,000	4.0	16,000	5.6	3,000	...	(1)	(1)
Noncentral heating--Number re-												
porting fuel.....	3,309,000	100.0	2,898,000	100.0	2,035,000	100.0	863,000	100.0	411,000	100.0	2,792,583	100.0
Coal.....	303,000	9.2	243,000	8.4	143,000	7.0	100,000	11.6	60,000	14.6	480,814	17.2
Wood.....	456,000	13.8	310,000	10.7	121,000	5.9	188,000	21.8	146,000	35.5	1,022,900	36.6
Gas.....	1,788,000	54.0	1,718,000	59.3	1,459,000	71.7	238,000	29.9	70,000	17.0	1,038,474	37.2
Utility gas.....	1,629,000	49.2	1,600,000	55.2	1,415,000	69.5	184,000	21.3	29,000	7.1	(1)	(1)
Bottled gas.....	159,000	4.8	118,000	4.1	44,000	2.2	74,000	8.6	40,000	9.7	(1)	(1)
Liquid and other fuel.....	762,000	23.0	627,000	21.6	311,000	15.3	316,000	36.6	135,000	32.8	250,795	9.0
Liquid fuel.....	617,000	18.6	509,000	17.6	252,000	12.4	258,000	29.9	108,000	26.3	(1)	(1)
Electricity.....	104,000	3.1	82,000	2.8	37,000	1.8	45,000	5.2	22,000	5.4	(1)	(1)
Other fuel.....	41,000	1.2	35,000	1.2	22,000	1.1	13,000	1.5	5,000	1.2	(1)	(1)

REGIONS, DIVISIONS, AND STATES



BUREAU OF THE CENSUS

U. S. DEPARTMENT OF COMMERCE

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