U. S. DEPARTMENT OF COMMERCE

ROY D. CHAPIN, Secretary

BUREAU OF THE CENSUS
W. M. STEUART, Director

FIFTEENTH CENSUS OF THE UNITED STATES

MANUFACTURES: 1929

VOLUME III

REPORTS BY STATES

STATISTICS FOR INDUSTRIAL AREAS COUNTIES, AND CITIES

PREPARED UNDER THE SUPERVISION OF LEVERNE BEALES
CHIEF STATISTICIAN FOR MANUFACTURES



DUMER

LIBRARY

1.8449

UNITED STATES

GOVERNMENT PRINTING OFFICE

WASHINGTON: 1933

REPORTS ON MANUFACTURES AND MINES AND QUARRIES

FIFTEENTH DECENNIAL CENSUS: 1930

MANUFACTURES: 1929

Volume I.—General Report—Statistics by Subjects

Volume II.—REPORTS BY INDUSTRIES

Volume III.—Reports by States—Statistics for Industrial Areas, Counties, and Cities

MINES AND QUARRIES: 1929

11

116449

Busin Holy Ship Bayen

LETTER OF TRANSMITTAL

DEPARTMENT OF COMMERCE,
BUREAU OF THE CENSUS,
Washington, D. C., August 10, 1932.

Sir: I transmit herewith Volume III of the reports of the Census of Manufactures for 1929. This census, which was taken in 1930 as a part of the Fifteenth Decennial Census, is also the fifth of the biennial series of censuses of manufactures.

The manufactures reports for 1929 comprise three volumes. Volume I is a general report giving statistics for the United States as a whole, by industries and by States; Volume II is an assembly of the detailed reports for the 326 manufacturing and printing and publishing industries covered by the census; and Volume III is an assembly of detailed reports for the 48 States and the District of Columbia. Each of these volumes includes a summary covering all industries and all States.

Preliminary statistics for the individual States covered by this report were first issued in the form of press releases, and later the complete and detailed statistics were published in a series of separate reports in pamphlet form.

The statistics were compiled and published under the supervision of LeVerne Beales, chief statistician for manufactures, assisted by John F. Daly, executive chief of division. Certain special features of the General Summary section were prepared by Tracy E. Thompson, of the Ohio State University, temporarily employed in the Bureau of the Census as expert on the presentation and analysis of manufactures-census data.

Respectfully,

W. M. STEUART,

Director of the Census.

Hon. Roy D. Chapin,

Secretary of Commerce.

III

GENERAL EXPLANATIONS

1

1

Legal provision for biennial census_____

Area and period covered_____

Page

4

Classification by industry groups
Persons engaged—General classification

Area and period covered	-	Daysons appeared Ware company	-
Scope of the census	1	Persons engaged—Wage earners	5
Expansion of schedules	1	Persons engaged—Central-administrative-office employees_	5
The canvass	1	Salaries and wages	5
Publication of the statistics	2	Cost of materials, etc.	5
Comparableness with preceding years—Adjustments in		Contract work	5
Comparableness with preceding years—Acquisiments in		Value of products	6
figures	2	Detailed statistics of products, materials, and equipment	6
Comparableness with preceding years—Price changes	$\frac{2}{2}$	Duplication in cost of materials and value of products	6
Comparableness with preceding years—Years covered	1	Relation of wages to cost of materials and value of	_
Comparableness with preceding years—Schedule changes_	2	products	7
Mill or shop supplies	3	Value added by manufacture	8
Option in reporting materials	3	Production as measured by physical volume	8
Substitution of sales for production	3	Profits and production costs	8
Establishments covered—Definition	3	Power equipment	8
Establishments covered—Type	3	Disclosure of data for individual establishments	9
Establishments covered—Size	3	Changes in groups, industry titles, and classifications	9
Classification of industries	3		11
Classification of establishments	4	Selected counties	11
		SUMMARY	
	Page	TABLES—continued	age
1ntroduction	13	6. Relative importance of leading industries, for the	
	.	· , ,	35
TABLES		7. Estimated net value of manufactured products, by	00
1. Combined summary for all manufacturing industries,		industry groups: 1929	37
for the United States: 1849 to 1929	15		
2. Indexes and ratios for population, wage earners, pro-			•
duction, and power: 1899 to 1929	15	MAP AND DIAGRAM	
3. Combined general statistics for all manufacturing in-		1. Map—Geographic distribution of wage earners in man-	
dustries: 1899 to 1929	16		39
4. General statistics for all industries, by geographic divi-		2. Diagram—Wage earners in manufactures by industry	
sions and by States: 1929, 1927, and 1919	17		40
5. General statistics, by industries, for the United States:		3. Diagram—Wage earners in manufacturing industries,	
1929, 1927, and 1919	21		40
STATE RI	EPO:	RTS—TABLES	
	ALAB	AMA	
I Grammany for the State 1200	Page		age
1. Summary for the State: 1899 to 1929	43	8. Establishments classified as under corporate or other	
2. Summary for counties and cities: 1929	4 3	form of ownership (or control) and as under central-	
3. Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909	45		46
4 Wage earners by months, 1000 1010 1011	45	9. Prime movers and electric motors, by number and rated	
4. Wage earners, by months: 1929, 1919, 1914, and 1909.	45	capacity, for the State, 1929, 1927, 1925, 1919, and	
5. Establishments classified according to prevailing			46
hours of labor per week for wage earners: 1929	45	10. Horsepower of prime movers and of electric motors, by	
6. Establishments classified as to size by number of wage			47
earners: 1929, 1919, and 1909	45	11. Fuel and electric energy consumed, by quantity and	
7. Establishments classified as to size by value of products: 1929, 1919, and 1909		12. General statistics for the State, by industries: 1929	47 48
TV	46	13. General statistics for Birmingham, by industries: 1929_	49

ARIZONA

1, 4	· · · · · · · · · · · · · · · · · · ·	Page			Page
1.	Summary for the State: 1899 to 1929	51	8.	Establishments classified as under corporate or other	:
	Summary for counties and cities: 1929	51		form of ownership (or control) and as under central-	
3.	Persons engaged in manufacturing industries, by sex:		4,,	administrative-office or independent operation: 1929	50
	1929, 1919, 1914, and 1909	52	. 9	and 1919 Prime movers and electric motors, by number and rated	53
	Wage earners, by months: 1929, 1919, 1914, and 1909	52	υ.	capacity, for the State, 1929, 1927, 1925, 1919, and	
5.	Establishments classified according to prevailing hours		•	1914, and for important counties, 1929	53
_	of labor per week for wage earners: 1929	52	10.	Horsepower of prime movers and of electric motors, by	
ь.	Establishments classified as to size by number of wage	F0		counties: 1929	54
	earners: 1929, 1919, and 1909	52	11.	Fuel and electric energy consumed, by quantity and	
4.	Establishments classified as to size by value of products: 1929, 1919, and 1909	53	19	cost: 1929, 1927, 1923, 1919, 1914, and 1909	54 54
	1020, 1010, and 1000	99	12.	General statistics, by middstres: 1929	94
	na na kana ang katalong katal	ARKA	NSA		
	and a contract to be so wearing and digital the contra	Page		at the second of the second of section of the second	Page
1.	Summary for the State: 1899 to 1929	55	^{1.} 8.	Establishments classified as under corporate or other	
	Summary for counties and cities: 1929	55		form of ownership (or control) and as under central-	
	Persons engaged in manufacturing industries, by sex:		. 10	administrative-office or independent operation: 1929	
٠.	1929, 1919, 1914, and 1909	57	1.32	and 1919	58
4.	Wage earners, by months: 1929, 1919, 1914, and 1909	57	9.	Prime movers and electric motors, by number and	
	Establishments classified according to prevailing hours			rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for Pulaski County, 1929	
	of labor per week for wage earners: 1929	57	10.	Horsepower of prime movers and of electric motors, by	58
6.	Establishments classified as to size by number of wage			counties: 1929	5 9
٠.;	earners: 1929, 1919, and 1909	57	11.	Fuel and electric energy consumed, by quantity and	
7.	Establishments classified as to size by value of products:		11.1	cost: 1929, 1927, 1923, 1919, 1914, and 1909	59
	1929, 1919, and 1909	58 l	12.	General statistics, by industries: 1929	60
				ng nganggan nganggan Mga pagganggan nganggan ngang	
	ing sample of the property of the Aught School (August Co	ALIFO	JKNJ	[A] See the final of the product of a final transfer seems of the analysis of the second control of the sec	*
	The control of the co	Page [in the state of th	Page
1.	Summary for the State: 1899 to 1929	61	9.	Prime movers and electric motors, by number and	
2.	Summary for industrial areas and for counties and	61		rated capacity, for the State, 1929, 1927, 1925, 1919,	
2	cities: 1929 Persons engaged in manufacturing industries, by sex:	61		and 1914, and for industrial areas and important counties, 1929	64
ο.	1929, 1919, 1914, and 1909	63			O-I
4.	Wage earners, by months: 1929, 1919, 1914, and 1909	63	10.	Horsepower of prime movers and of electric motors, by	
5.	Establishments classified according to prevailing hours	J		counties: 1929	65
_	of labor per week for wage earners: 1929	.63	11.	Fuel and electric energy consumed, by quantity and	
6.	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909	60		cost: 1929, 1927, 1923, 1919, 1914, and 1909	65
7:	Establishments classified as to size by value of prod-	63	12.	General statistics for the State, by industries: 1929	66
••	ucts: 1929, 1919, and 1909	64			ring.
8.	Establishments classified as under corporate or other		13.	General statistics for industrial areas and for selected	eo.
	form of ownership (or control) and as under central-			counties, by industries: 1929	บข
1	administrative-office or independent operation: 1929		14.	General statistics for important cities, by industries:	
	and 1919	64			77
. 1	and the second section of the second	COLO	RATI		
		1000			
. 1		Page		The table broader along the day and a second as 18	Page
	Summary for the State: 1899 to 1929	81	8.	Establishments classified as under corporate or other form of ownership (or control) and as under central-	
2.	Summary for counties and cities: 1929	82	2.1		
3.	Persons engaged in manufacturing industries, by sex:	-		and 1919	
•	1929, 1919, 1914, and 1909	82	9.	Prime movers and electric motors, by number and rated	l ,
1	Wage earners, by months: 1929, 1919, 1914, and 1909		7,11		
		83	10	1914, and for important counties, 1929	
5.	Establishments classified according to prevailing hours		10.	Horsepower of prime movers and of electric motors, by counties: 1929	
	of labor per week for wage earners: 1929		11.	Fuel and electric energy consumed, by quantity and	
6.	Establishments classified as to size by number of wage			cost: 1929, 1927, 1923, 1919, 1914, and 1909	
_	earners: 1929, 1919, and 1909			General statistics for the State, by industries: 1929	85
7.	Establishments classified as to size by value of prod-		13.	General statistics for important counties, by indus-	
	ucts: 1929, 1919, and 1909	83		tries: 1929	87

CONNECTICUT

		Page	أتكحر		Page
	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and	89	9.	Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919,	l , .:
3.	cities: 1929 Persons engaged in manufacturing industries, by sex:	89	.:	and 1914, and for industrial areas and important counties, 1929	
	1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours	90 90	10.	Horsepower of prime movers and of electric motors, by counties: 1929	92
	of labor per week for wage earners: 1929 Establishments classified as to size by number of wage	91	11.	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	
7.	earners: 1929, 1919, and 1909 Establishments classified as to size by value of prod-	91	12.	General statistics for the State, by industries: 1929	93
8.	ucts: 1929, 1919, and 1909 Establishments classified as under corporate or other	91	13.	General statistics for industrial areas and for important counties, by industries: 1929	
	form of ownership (or control) and as under central- administrative-office or independent operation: 1929 and 1919	92	14.	General statistics for important cities, by industries:	
	and the second of the second o	DELA	OV A IP		
		Page	II ALL	the property of the second of	
2.	Summary for the State: 1899 to 1929 Summary for counties and for Wilmington: 1929 Persons engaged in manufacturing industries, by sex:	103 103	9.	Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for New Castle County, 1929	
	1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909_ Establishments classified according to prevailing hours		10.	Horsepower of prime movers and of electric motors, by counties: 1929	
	of labor per week for wage earners: 1929 Establishments classified as to size by number of wage earners: 1929, 1919, and 1909		11.	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	i ·
7.	Establishments classified as to size by value of prod-	100	12.	General statistics for the State, by industries: 1929	
8.	ucts: 1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-	105		General statistics, by industries, for New Castle County: 1929	.
	administrative-office or independent operation: 1929 and 1919	105	14.	General statistics for Wilmington, by industries: 1929.	
	DISTRIC	מי ידיי		LUMBIA	
		Page 1			Dogo
1. 2 .	Summary: 1899 to 1929	111	7.	Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929	
3. 1	Wage earners, by months: 1929, 1919, 1914, and 1909	111		and 1919	
ı	Establishments classified according to prevailing hours of labor per week for wage earners: 1929Establishments classified as to size by number of wage	112		Prime movers and electric motors, by number and rated capacity: 1929, 1927, 1925, 1919, and 1914	113
	earners: 1929, 1919, and 1909Establishments classified as to size by value of prod-	112	9.	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	
	ucts: 1929, 1919, and 1909	112	10.	General statistics, by industries: 1929	114
		FLOR	RIDA		
		Page		and the state of t	Page
2 .	Summary for the State: 1899 to 1929	115	9.	Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for important counties, 1929	
4. 5.	1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours	117 117	10.	Horsepower of prime movers and of electric motors, by counties: 1929	
	of labor per week for wage earners: 1929 Establishments classified as to size by number of wage		11.	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	
7.	earners: 1929, 1919, and 1909 Establishments classified as to size by value of prod-		12.	General statistics for the State, by industries: 1929	
	uets: 1929, 1919, and 1909	118	13.	General statistics for selected counties, by industries:	
	administrative-office or independent operation: 1929 and 1919	118	14.	General statistics for important cities, by industries:	

GEORGIA

		Page			Page
1.	Summary for the State: 1899 to 1929	-	8.	Establishments classified as under corporate or other	rage
2.	Summary for counties and cities: 1929	123	+. :	form of ownership (or control) and as under central- administrative-office or independent operation: 1929	
	Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909		9.	and 1919 Prime movers and electric motors, by number and	127
4.	Wage earners, by months: 1929, 1919, 1914, and 1909			rated capacity, for the State, 1929, 1927, 1925, 1919,	107
	Establishments classified according to prevailing hours	120	10.	and 1914, and for important counties, 1929	127
	of labor per week for wage earners: 1929	126	11	counties: 1929	128
	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909			cost: 1929, 1927, 1923, 1919, 1914, and 1909General statistics for the State, by industries: 1929	
7.	Establishments classified as to size by value of products: 1929, 1919, and 1909			General statistics for selected counties, by industries: 1929	131
	And the second of the second o	IDA	но	and the second of the second o	
		Page	ı		Page
1.	Summary for the State: 1899 to 1929		8.	Establishments classified as under corporate or other	
	Summary for counties and cities: 1929	134		form of ownership (or control) and as under central-	
3.	Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909	134		administrative-office or independent operation: 1929 and 1919	136
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_		. 9.	Prime movers and electric motors, by number and rated	
	Establishments classified according to prevailing hours			capacity, for the State: 1929, 1927, 1925, 1919, and 1914	136
a	of labor per week for wage earners: 1929 Establishments classified as to size by number of wage	135	10.	Horsepower of prime movers and of electric motors, by	
	earners: 1929, 1919, and 1909	135	11.	counties: 1929	
7.	Establishments classified as to size by value of products: 1929, 1919, and 1909	135	12	cost: 1929, 1927, 1923, 1919, 1914, and 1909 General statistics, by industries: 1929	137
		ILLI		tweether and the state of the s	101
			. 4019		
1	Summary for the State: 1899 to 1929	Page	Q		Page
	and the figure of the second s		0.	Establishments classified as under corporate or other form of ownership (or control) and as under central-	
۵.	Summary for industrial areas and for counties and cities: 1929			administrative-office or independent operation: 1929 and 1919	143
3.	Persons engaged in manufacturing industries, by sex:		9.	Prime movers and electric motors, by number and	
	1929, 1919, 1914, and 1909			rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important	
4.	Wage earners, by months: 1929, 1919, 1914, and 1909	142	10	counties, 1929 Horsepower of prime movers and of electric motors, by	
5.	Establishments classified according to prevailing hours			counties: 1929	145
 Q	of labor per week for wage earners: 1929 Establishments classified as to size by number of wage		11.	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	
0.	earners: 1929, 1919, and 1909			General statistics for the State, by industries: 1929	146
7.	Establishments classified as to size by value of prod-		13.	General statistics for industrial areas and for selected counties, by industries: 1929	
	ucts: 1929, 1919, and 1909	143	14.	General statistics for Chicago, by industries: 1929	
		IND	IANA		
		Page			Page
	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and		9.	Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919,	
3.	cities: 1929			and 1914, and for industrial areas and important counties, 1929	165
4.	Wage earners, by months: 1929, 1919, 1914, and 1909		10.	Horsepower of prime movers and of electric motors, by	
	Establishments classified according to prevailing hours			counties: 1929	
6.	of labor per week for wage earners: 1929 Establishments classified as to size by number of wage	1	11.	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	
7.	earners: 1929, 1919, and 1909 Establishments classified as to size by value of prod-		19	General statistics for the State, by industries: 1929	
	ucts: 1929, 1919, and 1909	165		General statistics for industrial areas and for selected	1
გ.	Establishments classified as under corporate or other form of ownership (or control) and as under central-			counties, by industries: 1929	. 169
	administrative-office or independent operation: 1929		14.	General statistics for important cities, by industries	
	and 1919	162	1	1929	. 173

IOWA-

		rage			rage
1.	Summary for the State: 1899 to 1929	175	9.	Prime movers and electric motors, by number and	
$^{2}.$	Summary for counties and cities: 1929	176		rated capacity, for the State, 1929, 1927, 1925, 1919,	
3.	Persons engaged in manufacturing industries, by sex:			and 1914, and for important counties, 1929	179
	1929, 1919, 1914, and 1909			— The state of the state of the property of the state	
4.	Wage earners, by months: 1929, 1919, 1914, and 1909	177	10.	Horsepower of prime movers and of electric motors,	
5.	Establishments classified according to prevailing hours			by counties: 1929	179
**	of labor per week for wage earners: 1929	178	7		
6.	Establishments classified as to size by number of wage	. 4 +	11.	Fuel and electric energy consumed, by quantity and	
	earners: 1929, 1919, and 1909	178	1.55	cost: 1929, 1927, 1923, 1919, 1914, and 1909	180
7.	Establishments classified as to size by value of prod-		10	0 - 1 - 1 - 1 - 1 - 0 - 1 - 0 - 1 - 0 - 1 - 1	100
	ucts: 1929, 1919, and 1909	178	12.	General statistics for the State by industries: 1929	180
8.	Establishments classified as under corporate or other		1.0		
	form of ownership (or control) and as under central-		13.	General statistics for selected counties, by industries:	100
	administrative-office or independent operation: 1929			1929	182
	and 1919	178	14	General statistics for Des Moines, by industries, 1929_	183
	and tyre	710	LT.	deneral availables for Des Montes, by modesnes, 1929-	100
		KAN	ISAS	to the second property of the second part of the se	
		_			
_		Page		and the second of the second	Page
	Summary for the State: 1899 to 1929	185	9.	Prime movers and electric motors, by number and rated	
2,	Summary for Kansas City industrial area and for			capacity, for the State, 1929, 1927, 1925, 1919, and	
	counties and cities: 1929	185		1914, and for Kansas City industrial area and im-	7
3.	Persons engaged in manufacturing industries, by sex:			portant counties, 1929	189
	1929, 1919, 1914, and 1909	187			
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_	187	10.	Horsepower of prime movers and of electric motors, by	
5.	Establishments classified according to prevailing hours			counties: 1929	189
	of labor per week for wage earners: 1929	187			
6.	Establishments classified as to size by number of wage		11.	Fuel and electric energy consumed, by quantity and	
. ;	earners: 1929, 1919, and 1909	188	100	cost: 1929, 1927, 1923, 1919, 1914, and 1909	190
7	Establishments classified as to size by value of prod-	100	4.0	G 1 1 1 1 1 1 1 G 1 1 1 1 1 1 1 1 1 1 1	100
••	ucts: 1929, 1919, and 1909	188	12.	General statistics for the State, by industries: 1929	190
Q	Establishments classified as under corporate or other	100	12	Conoral statistics for the Kansas City (Missouri and	
			10.	General statistics for the Kansas City (Missouri and	
	form of ownership (or control) and as under central-			Kansas) industrial area and for Wyandotte	. "
_	administrative-office or independent operation: 1929	100		County, by industries, and combined general sta-	101
	and 1919	188	1	tistics for all industries for Sedgwick County: 1929	191
11					
	For a second of the configuration of each people of	KENT	CUCK	Y ja	
	gerk (Architecture Green) and electric steel, a restorm		44,7		
		Page	' '		Page
1.	Summary for the State: 1899 to 1929	193	9.	Prime movers and electric motors, by number and rated	. *
2.	Summary for the Cincinnati industrial area and for	, i i		capacity, for the State, 1929, 1927, 1925, 1919, and	
	counties and cities: 1929	194		1914, and for industrial areas and important counties,	f
3.	Persons engaged in manufacturing industries, by sex:	111		1929	197
; ;	1929, 1919, 1914, and 1909				
4.	Wage earners, by months: 1929, 1919, 1914, and 1909		10.	Horsepower of prime movers and of electric motors, by	
5.	Establishments classified according to prevailing hours	100		counties: 1929	
-	of labor per week for wage earners: 1929	106		Service to the service of the servic	
6	Establishments classified as to size by number of wage	190	11.	Fuel and electric energy consumed, by quantity and	
	earners: 1929, 1919, and 1909	100		cost: 1929, 1927, 1923, 1919, 1914, and 1909	199
7	Fotoblishments classified on the single of the	190		· · · · · · · · · · · · · · · · · · ·	
٠.	Establishments classified as to size by value of prod-	4.0-	12.	General statistics for the State, by industries: 1929	199
	ucts: 1929, 1919, and 1909	197	1		
٥,	Establishments classified as under corporate or other		13.	General statistics combined for all industries for the	
	form of ownership (or control) and as under central-			Cincinnati industrial area and for Campbell and	
	administrative-office or independent operation: 1929		5.15	Jefferson Counties, and general statistics by indus-	
	and 1919	197	1	tries for Kenton County: 1929	201
			11:	 John M. W. Britanning and Assembly and Demonstrated Assembly and Assem	
	agreement in the transport of the first of the contract of the area of the	.37	1787	graduate production and the territories of the control of the cont	
ő.	Market and the second of the s			The state of the s	

the control of the control of the control of the state of

LOUISIANA

, ,1"		Page	1 100		Page
1.	Summary for the State: 1899 to 1929	203	9.	Prime movers and electric motors, by number and	. 7
2.	Summary for parishes and cities: 1929	203		rated capacity, for the State, 1929, 1927, 1925, 1919,	
3.	Persons engaged in manufacturing industries, by sex:			and 1914, and for important parishes, 1929	
	1929, 1919, 1914, and 1909	204			-00
4.	Wage carners, by months: 1929, 1919, 1914, and 1909_	205	10	Horsepower of prime movers and of electric motors, by	
5.	Establishments classified according to prevailing hours	200	100	parishes: 1929	206
•	of labor per week for wage earners: 1929	205	1	paramos, 1999-1211111111111111111111111111111111	400
ß	Establishments classified as to size by number of wage	200	11.		007
0.		205	11.	Fuel and electric energy consumed, by quantity and	207
7	earners: 1929, 1919, and 1909	200		cost: 1929, 1927, 1923, 1919, 1914, and 1909	
•	Establishments classified as to size by value of prod-	000	10		حفہ
	ucts: 1929, 1919, and 1909		12.	General statistics for the State, by industries: 1929	207
٥.	Establishments classified as under corporate or other		i		
2.1	form of ownership (or control) and as under central-		13.	General statistics by industries for Orleans Parish, and	
	administrative-office or independent operation: 1929			combined general statistics for all industries for	
	and 1919	206	1	East Baton Rouge Parish: 1929	209
1 1					
		MA	INE		
		Page	1	1	Page
1	Summary for the State: 1899 to 1929		0	Prime movers and electric motors, by number and	
	Summary for counties and cities: 1929			rated capacity, for the State, 1929, 1927, 1925, 1919,	
		211			
ο.	Persons engaged in manufacturing industries, by sex:	010	1	and 1914, and for important counties, 1929	213
30	1929, 1919, 1914, and 1909		10	Horsepower of prime movers and of electric motors, by	
	Wage earners, by months: 1929, 1919, 1914, and 1909_	212	10.	counties: 1929	
ъ.	Establishments classified according to prevailing hours			Countries. 1929	~1.4t
	of labor per week for wage earners: 1929	212	11.	Fuel and electric energy consumed, by quantity and	
6.	Establishments classified as to size by number of wage			cost: 1929, 1927, 1923, 1919, 1914, and 1909	
	earners: 1929, 1919, and 1909	212		0000. 1020, 1021, 1020, 1010, 1011, 2010 1000	. 21.7
7.	Establishments classified as to size by value of prod-		12	General statistics, by industries: 1929	215
	ucts: 1929, 1919, and 1909	213	12.	Constant beautiful by initiations. 1929	. 210
8.	Establishments classified as under corporate or other	100	13.	General statistics by industries for Androscoggin	
	form of ownership (or control) and as under central-			County, and combined general statistics for all in-	
	administrative-office or independent operation: 1929			dustries for Cumberland and for York Counties:	
	and 1919	213		1929	216
	and the contract of the contract of the contract of			and the second of the second o	
- 17	er i de la secono de la companya de	MARY	LAN	D was a second of the second	
		-			_
		Page	1 '		Page
	Summary for the State: 1899 to 1929	217	9.	Prime movers and electric motors, by number and	
2.	Summary for the Baltimore industrial area and for			rated capacity, for the State, 1929, 1927, 1925, 1919,	
	counties and cities: 1929	217) `	and 1914, and for the Baltimore industrial area and	
3.	Persons engaged in manufacturing industries, by sex:			important counties, 1929	219
	1929, 1919, 1914, and 1909				
	Wage earners, by months: 1929, 1919, 1914, and 1909_		10.	Horsepower of prime movers and of electric motors, by	
5.	Establishments classified according to prevailing hours		1 1 1	counties, and for Baltimore city: 1929	220
;	of labor per week for wage earners: 1929	218	11		
6.	Establishments classified as to size by number of wage		11.	Fuel and electric energy consumed, by quantity and	
	earners: 1929, 1919, and 1909	218	100	cost: 1929, 1927, 1923, 1919, 1914, and 1909	220
7.	Establishments classified as to size by value of prod-		12	General statistics for the State, by industries: 1929	220
	ucts: 1929, 1919, and 1909	219	14.	Contrar secons and for one passe, by intrastres, 1929	. 44U
8.	Establishments classified as under corporate or other		13.	General statistics for the Baltimore industrial area and	
	form of ownership (or control) and as under central-			for Baltimore city, by industries, and combined gen-	
	administrative-office or independent operation: 1929		1	eral statistics for all industries for Allegany County	
4		219	:	and for Baltimore County: 1929	
	and 1919129834—33——2		•	The state of the s	. ~40
	- HUGOX				

MASSACHUSETTS

1. Summary for the State: 1899 to 1929. 227 Summary for industrial areas and for counties and edites: 1929. 1920, 1910, 1914, and 1909. 229 Sersons engaged in manufacturing industries, by sex: 1929, 1910, 1914, and 1909. 229 Seatablishments classified according to prevailing hours of labor per week for wage carnors: 1929. 229 The Establishments classified as to size by value of products: 1929. 229 Seatablishments classified as under corporate or other form of ownership (or countrol) and as under central-administrative-effice or independent operation: 1929 and 1919. 255 Seatablishments classified as to size by number of wage carnors: 1929. 255 Seatablishments classified as to size by number of wage carnors, by months: 1929, 1919, and 1909. 254 Summary for the State: 1829 to 1929. 255 Seatablishments classified according to prevailing hours of labor per week for wage carnors: 1929. 255 Seatablishments classified according to prevailing hours of labor per week for wage carnors: 1929. 255 Seatablishments classified according to prevailing hours of labor per week for wage carnors: 1929. 255 Seatablishments classified as to size by number of wage carnors: 1929, 1919, and 1909. 254 Summary for the State: 1829 to 1929. 255 Seatablishments classified as to size by number of wage carnors: 1929, 1914, and 1909. 254 Summary for the State: 1829 to 1929. 255 Seatablishments classified as to size by number of wage carnors: 1929, 1914, and 1909. 254 Summary for the State: 1829 to 1929. 255 Seatablishments classified as to size by number of wage carnors: 1929, 1914, and 1909. 254 Summary for the State: 1829 to 1929. 255 Seatablishments classified as to size by number of wage carnors: 1929, 1914, and 1909. 254 Summary for the State: 1829 to 1929. 255 Seatablishments classified as to size by number of wage carnors: 1929, 1914, and 1909. 254 Summary for the State: 1829 to 1929. 255 Seatablishments classified as to size by number of wage carnors: 1929, 1914, and 1909. 254 Summary for the State: 1829 to 1929. 255 Seatablishments cla		·	Page 1			Page
1. Summary for the State: 1899 to 1929	 3. 5. 7. 	Summary for industrial areas and for counties and cities: 1929	227 229 229 229 229 229 230	10. 11. 12. 13.	capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929 Horsepower of prime movers and of electric motors, by counties: 1929 Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909 General statistics for the State, by industries: 1929 General statistics for industrial areas and for selected counties, by industries: 1929 General statistics for important cities, by industries:	231 232 232 236
1. Summary for the State: 1899 to 1929		·	MICH	rga i	N	
1. Summary for the State: 1899 to 1929			_		•	Doga
6. Establishments classified as to size by number of wage earners: 1929, 1919, and 1909	 3. 4. 	Summary for the State: 1899 to 1929Summary for the Detroit Industrial Area and for counties and cities: 1929Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909Wage earners, by months: 1929, 1919, 1914, and 1909	249 250 251 252		rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for the Detroit Industrial Area and important counties, 1929	253
 7. Establishments classified as to size by value of products: 1929, 1919, and 1909	6.	Establishments classified as to size by number of wage		11.		
MINNESOTA Page 1. Summary for the State: 1899 to 1929		Establishments classified as to size by value of products: 1929, 1919, and 1909	252	13.	General statistics for the Detroit Industrial Area and for selected counties, by industries: 1929General statistics for Detroit and Grand Rapids, by	l 258
Page 1. Summary for the State: 1899 to 1929 265 2. Summary for the Minneapolis-St. Paul Industrial Area and for countics and cities: 1929 265 3. Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 267 4. Wage earners, by months: 1929, 1919, 1914, and 1909 267 5. Establishments classified according to prevailing hours of labor per week for wage earners: 1929 267 6. Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 267 7. Establishments classified as to size by value of products: 1929, 1919, and 1909 268 8. Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: Page 9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and 1909 268 10. Horsepower of prime movers and of electric motors, by counties: 1929 269 11. Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909 269 12. General statistics for the State, by industries: 1929 270 13. General statistics for the Minneapolis-St. Paul Industrial Area and for selected counties, by industries: 1929 272 14. General statistics for important cities, by industries:						
2. Summary for the Minneapolis-St. Paul Industrial Area and for counties and cities: 1929		 A control of the property of the control of the contr	Page		 A supplied to the supplied of the supplied to the	_
 4. Wage earners, by months: 1929, 1919, 1914, and 1909 267 5. Establishments classified according to prevailing hours of labor per week for wage earners: 1929 267 6. Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 267 7. Establishments classified as to size by value of products: 1929, 1919, and 1909 268 8. Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 12. General statistics for the State, by industries: 1929 270 13. General statistics for the Minneapolis-St. Paul Industrial Area and for selected counties, by industries: 1929 272 14. General statistics for important cities, by industries: 	2. 3.	Summary for the Minneapolis-St. Paul Industrial Area and for counties and cities: 1929	265 267		rated capacity, for the State, 1929, 1927, 1925, 1919 and 1914, and for the Minneapolis-St. Paul Industrial Area and important counties, 1929	268
6. Establishments classified as to size by number of wage earners: 1929, 1919, and 1909		Establishments classified according to prevailing hours	:		counties: 1929	269
 7. Establishments classified as to size by value of products: 1929, 1919, and 1909 268 8. Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 13. General statistics for the Minneapolis-St. Paul Industrial Area and for selected counties, by industries: 1929 272 14. General statistics for important cities, by industries: 	6.	Establishments classified as to size by number of wage). 		cost: 1929, 1927, 1923, 1919, 1914, and 1909	269
ucts: 1929, 1919, and 1909 8. Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 13. General statistics for the Minneapolis-St. Paul Industrial Area and for selected counties, by industries: 1929 272 14. General statistics for important cities, by industries:	7			12.	General statistics for the State, by industries: 1929	270
tral-administrative-office or independent operation: 14. General statistics for important cities, by industries:		ucts: 1929, 1919, and 1909 Establishments classified as under corporate or other	268	13.	trial Area and for selected counties, by industries	:
		tral-administrative-office or independent operation:	:	14.		

MISSISSIPPI

		Page	P	Page
2.	Summary for the State: 1899 to 1929Summary for counties and cities: 1929		8. Establishments classified as under corporate or other form of ownership (or control) and as under central-	
3.	Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909	281	administrative-office or independent operation: 1929 and 1919	282
	Wage earners, by months: 1929, 1919, 1914, and 1909_		9. Prime movers and electric motors, by number and	
5.	Establishments classified according to prevailing hours of labor per week for wage earners: 1929	281	rated capacity: 1929, 1927, 1925, 1919, and 1914 2 10. Horsepower of prime movers and of electric motors, by	
6.	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909	281	counties: 1929	283
7.	Establishments classified as to size by value of prod-		cost: 1929, 1927, 1923, 1919, 1914, and 1909 2	
	ucts: 1929, 1919, and 1909	282	12. General statistics, by industries: 1929	284
-		MISS	OURI	,
		Page	,	Page
	Summary for the State: 1899 to 1929Summary for industrial areas and for counties and	285	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919,	,
	cities: 1929 Persons engaged in manufacturing industries, by sex:	286	and 1914, and for industrial areas, important counties, and the city of St. Louis, 1929	290
υ.	1929, 1919, 1914, and 1909	288	•	200
	Wage earners, by months: 1929, 1919, 1914, and 1909_	I	10. Horsepower of prime movers and of electric motors, by counties, and for St. Louis city: 1929	290
о.	Establishments classified according to prevailing hours of labor per week for wage earners: 1929	288	11. Fuel and electric energy consumed, by quantity and	
6.	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909.	288	cost: 1929, 1927, 1923, 1919, 1914, and 1909	
7.	Establishments classified as to size by value of prod-		12. General statistics for the State, by industries: 1929 2	292
Q.	ucts: 1929, 1919, and 1909Establishments classified as under corporate or other	289	13. General statistics for the St. Louis and the Kansas City Industrial Areas and for St. Louis city, by in-	
u.	form of ownership (or control) and as under central-		dustries, and combined general statistics for all in-	
٠.	administrative-office or independent operation: 1929 and 1919	289	dustries for Clay, Jackson, and St. Louis Counties:	294
		MON'		
		Page		Page
1.	Summary for the State: 1899 to 1929		8. Establishments classified as under corporate or other	
	Summary for counties and cities: 1929		form of ownership (or control) and as under central-	
3.	Persons engaged in manufacturing industries, by sex:		administrative-office or independent operation: 1929 and 1919	304
4	1929, 1919, 1914, and 1909		9. Prime movers and electric motors, by number and rated	0,01
	Wage earners, by months: 1929, 1919, 1914, and 1909_ Establishments classified according to prevailing hours	303	capacity, for the State, 1929, 1927, 1925, 1919, and	204
	of labor per week for wage earners: 1929	303	10. Horsepower of prime movers and of electric motors by	304
6.	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909	303	counties: 1929	304
7.	Establishments classified as to size by value of prod-	,	cost: 1929, 1927, 1923, 1919, 1914, and 1909	305
1.3	ucts: 1929, 1919, and 1909	303	12. General statistics, by industries: 1929	305
		NEBR	ASKA	
•••		Page		Page
	Summary for the State: 1899 to 1929	4.00	8. Establishments classified as under corporate or other form of ownership (or control) and as under central-	
	Summary for counties and cities: 1929 Persons engaged in manufacturing industries, by sex:	308	administrative-office or independent operation: 1929	
υ,	1929, 1919, 1914, and 1909	309	and 1919	310
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_		9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and	
5.	Establishments classified according to prevailing hours of labor per week for wage earners: 1929	309	1914, and for Douglas County, 1929	310
6.	Establishments classified as to size by number of wage		by counties: 1929	311
7	earners: 1929, 1919, and 1909 Establishments classified as to size by value of products:		11. Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	311
• •	1000 1010 1 1000	. (
1.	1929, 1919, and 1909	310	12. General statistics, by industries: 1929	312

NEVADA

	•	Page	1 15 'Y	Page
	Summary for the State: 1899 to 1929Summary for counties and for the city of Reno: 1929_	313	8. Establishments classified as under corporate or other form of ownership (or control) and as under central-	
3.	Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909	314		315
	Wage earners, by months: 1929, 1919, 1914, and 1909_		9. Prime movers and electric motors, by number and rated capacity, for the State: 1929, 1927, 1925, 1919, and	
5.	Establishments classified according to prevailing hours of labor per week for wage earners: 1929	314	1914	315
6.	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909	314	counties: 1929	316
7.	Establishments classified as to size by value of products: 1929, 1919, and 1909	***	cost: 1929, 1927, 1923, 1919, 1914, and 1909 12. General statistics, by industries: 1929	
	NEW	HA.	MPSHIRE	
		Page	Production of the section of the sec	Page
1.	Summary for the State: 1899 to 1929	317	8. Establishments classified as under corporate or other	
2.	Summary for counties and cities: 1929	317	form of ownership (or control) and as under central-administrative-office or independent operation: 1929	,
3.	Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909	318	9. Prime movers, motors, and generators, by number and	319
4.	Wage earners, by months: 1929, 1919, 1914, and 1909.	318	rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for important counties, 1929	319
5.	Establishments classified according to prevailing hours of labor per week for wage earners: 1929	910	10. Horsepower of prime movers and of electric motors, by counties: 1929	
6.	Establishments classified as to size by number of wage		11. Fuel and electric energy consumed, by quantity and	• .
	earners: 1929, 1919, and 1909	318		$\frac{320}{321}$
7.	Establishments classified as to size by value of products: 1929, 1919, and 1909		13. General statistics for selected counties, by industries:	322
	N	EW J	JERSEY	
			012103121	
		Page		Page
	Summary for the State: 1899 to 1929Summary for industrial areas and for counties and	Page 323	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919,	Page
2.	Summary for the State: 1899 to 1929	Page 323	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important	
2.3.4.	Summary for the State: 1899 to 1929	Page 323 323 325	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327
2.3.4.	Summary for the State: 1899 to 1929	Page 323 323 325 325	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327
 3. 4. 5. 	Summary for the State: 1899 to 1929	Page 323 323 325 325 325	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 327
 3. 4. 6. 	Summary for the State: 1899 to 1929	Page 323 323 325 325 325 325	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 327
 3. 5. 7. 	Summary for the State: 1899 to 1929	Page 323 323 325 325 325 325	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 327 328 328
 3. 5. 7. 	Summary for the State: 1899 to 1929	Page 323 323 325 325 325 325	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 327 328 328
 3. 5. 7. 	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and cities: 1929 Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours of labor per week for wage earners: 1929 Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 Establishments classified as to size by value of products: 1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919	Page 323 323 325 325 325 325 326	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 327 328 328 331
 3. 5. 7. 	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and cities: 1929 Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours of labor per week for wage earners: 1929 Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 Establishments classified as to size by value of products: 1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919	Page 323 323 325 325 325 326 EW I	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 327 328 328 331
 3. 4. 5. 8. 	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and cities: 1929 Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours of labor per week for wage earners: 1929 Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 Establishments classified as to size by value of products: 1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919	Page 323 323 325 325 325 326 EW I Page	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 327 328 328 331
 3. 4. 5. 8. 	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and cities: 1929 Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours of labor per week for wage earners: 1929 Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 Establishments classified as to size by value of products: 1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919	Page 323 323 325 325 325 326 EW I Page 345	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 328 328 331 340
 3. 4. 5. 7. 8. 	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and cities: 1929 Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours of labor per week for wage earners: 1929 Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 Establishments classified as to size by value of products: 1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919 N Summary for the State: 1899 to 1929 Summary for counties and cities: 1929 Persons engaged in manufacturing industries, by sex:	Page 323 325 325 325 326 326 EW I Page 345 345	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 328 328 331 340
 3. 4. 5. 7. 8. 1. 2. 3. 	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and cities: 1929 Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours of labor per week for wage earners: 1929 Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 Establishments classified as to size by value of products: 1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919 N Summary for the State: 1899 to 1929 Summary for counties and cities: 1929	Page 323 323 325 325 325 326 S26 EW I Page 345 345 346	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 328 328 331 340
 3. 4. 5. 7. 8. 1. 2. 3. 4. 	Summary for the State: 1899 to 1929 Summary for industrial areas and for counties and cities: 1929 Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 Wage earners, by months: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours of labor per week for wage earners: 1929 Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 Establishments classified as to size by value of products: 1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919 N Summary for the State: 1899 to 1929 Summary for counties and cities: 1929 Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 Establishments classified according to prevailing hours	Page 323 325 325 325 326 326 EW I Page 345 345 346 346	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 328 328 331 340 Page
 3. 4. 5. 8. 4. 5. 	Summary for the State: 1899 to 1929	Page 323 323 325 325 325 326 EW I Page 345 345 346 346 346	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 328 328 331 340 Page
 3. 4. 5. 8. 1. 2. 3. 4. 5. 6. 	Summary for the State: 1899 to 1929	Page 323 323 325 325 325 326 EW I Page 345 345 346 346 346 346 346	9. Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929	327 328 328 331 340 Page 347 347 348 348

NEW YORK

100		Page	1 42 4 3		Page
1 2	Summary for the State: 1899 to 1929Summary for industrial areas and for counties and		1	Prime movers and electric motors, by number and rated capacity, for the State; 1929, 1927, 1925, 1919, and	
3	cities: 1929		l Seth	1914, and for industrial areas and important counties, 1929	356
4	1929, 1919, 1914, and 1909	354	10. 1	Horsepower of prime movers and of electric motors, by counties: 1929	357
	of labor per week for wage earners: 1929	354	11. 1	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	357
7	earners: 1929, 1919, and 1909 Establishments classified as to size by value of products:		12. (General statistics for the State, by industries: 1929	358
. 8	1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-		13. (General statistics for industrial areas and for selected counties, by industries: 1929	362
	administrative-office or independent operation: 1929 and 1919		14. (General statistics for important cities, by industries:	377
	NOI	RTH (CAROI	LINA	
		Page	A Harris		Page
	Summary for the State: 1899 to 1929	383	8.	Establishments classified as under corporate or other form of ownership (or control) and as under central-	4
	Summary for counties and cities: 1929			administrative-office or independent operation: 1929	
3	Persons engaged in manufacturing industries, by sex 1929, 1919, 1914, and 1909	: . 385	9.	and 1919 Prime movers and electric motors, by number and	i .
4	. Wage earners, by months: 1929, 1919, 1914, and 1909	. 385		rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for important counties, 1929	386
5	Establishments classified according to prevailing hours of labor per week for wage earners: 1929			Horsepower of prime movers and of electric motors, by counties: 1929	387
6	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909			Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	387
7	Establishments classified as to size by value of products: 1929, 1919, and 1909	•		General statistics for selected counties, by industries: 1929	:
			DAKO	DTA	
		_			T
4	. Summary for the State: 1899 to 1929	Page		Establishments classified as under corporate or other	Page
2	Summary for the State: 1899 to 1929	. 391	0.	form of ownership (or control) and as under central-	
3	Persons engaged in manufacturing industries, by sex 1929, 1919, 1914, and 1909	392		administrative-office or independent operation: 1929 and 1919	394
	. Wage earners, by months: 1929, 1919, 1914, and 1909. Establishments classified according to prevailing hours	392	9.	Prime movers and electric motors, by number and rated capacity, for the State: 1929, 1927, 1925, 1919, and 1914_	
	of labor per week for wage earners: 1929	. 393	10.	Horsepower of prime movers and of electric motors, by	
6	. Establishments classified as to size by number of wage	•	1.	counties: 1929	394
7	earners: 1929, 1919, and 1909 Establishments classified as to size by value of prod-	<u>.</u>	1	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	395
		. 393	12.		UUU
	n de la propieta de Contracta de la propieta del la propieta del la propieta del la propieta de la propieta del la propieta			The second section of the sect	er je
			Phy		

OHIO

 3. 4. 5. 6. 7. 	Summary for the State: 1899 to 1929	397 400 400 400 400 401	10. 11. 12. 13.	Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for industrial areas and important counties, 1929. Horsepower of prime movers and of electric motors, by counties: 1929. Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909. General statistics for the State, by industries: 1929. General statistics for industrial areas and for selected counties, by industries: 1929. General statistics for important cities, by industries: 1929.	402 403 403 404 407
		KLAI	HOM	IA .	
2.	Summary for the State: 1899 to 1929Summary for counties and cities: 1929Persons engaged in manufacturing industries, by sex:	426	9.	Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for important counties, 1929	
	1929, 1919, 1914, and 1909	427		Horsepower of prime movers and of electric motors, by counties: 1929	429
	of labor per week for wage earners: 1929 Establishments classified as to size by number of wage	427		Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	429
7.	earners: 1929, 1919, and 1909	427 428 428	13.	General statistics for the State, by industries: 1929_Combined general statistics for all industries for Oklahoma County, and general statistics, by industries, for Tulsa County: 1929_Combined general statistics for all industries for Oklahoma City, and general statistics, by industries, for Tulsa: 1929	431
		ORE	GON		
2. 3. 4. 5.	Summary for the State: 1899 to 1929	434 434 435 435 435	9. 10. 11. 12. 13.	Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919	436 436 436 437 437

PENNSYLVANIA

		Page			Page
	Summary for the State: 1899 to 1929		9.	Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and	1
3,	Persons engaged in manufacturing industries, by sex:	1		1914, and for industrial areas and important counties,	446
	Wage earners, by months: 1929, 1919, 1914, and 1909. Establishments classified according to prevailing hours	444	10.	Horsepower of prime movers and of electric motors, by counties: 1929	
	of labor per week for wage earners: 1929 Establishments classified as to size by number of wage	444	11.	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	
7.	earners: 1929, 1919, and 1909Establishments classified as to size by value of products:		12.	General statistics for the State, by industries: 1929	
8.	1929, 1919, and 1909 Establishments classified as under corporate or other form of ownership (or control) and as under central-		13.	General statistics for industrial areas and for selected counties, by industries: 1929	
	administrative-office or independent operation: 1929 and 1919		14.	General statistics for important cities, by industries:	
	(4) A 12-4 (A) 12-4 (A) 12-4 (A) 24-4 (A) 12-4 (A) (A) 12-4 (A) (A) 12-4 (A) (A) 12-4 (A)	ODE I	SLAI		
2.	Summary for the State: 1899 to 1929Summary for the Providence-Fall River-New Bedford industrial area and for counties and cities: 1929Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909	473	\$ 50	Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919, and 1914, and for the Providence-Fall River-New Bedford industrial area and important counties, 1929	l - 475
	Wage earners, by months: 1929, 1919, 1914, and 1909_ Establishments classified according to prevailing hours of labor per week for wage earners: 1929	474		Horsepower of prime movers and of electric motors, by counties: 1929 Fuel and electric energy consumed, by quantity	476
	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909			and cost: 1929, 1927, 1923, 1919, 1914, and 1909	476
	Establishments classified as to size by value of products: 1929, 1919, and 1909 Establishments classified as under corporate or other	475		General statistics for the State, by industries: 1929 General statistics for the Providence-Fall River-New Bedford industrial area and for Providence County,	,
, 5 ¹³	form of ownership (or control) and as under central- administrative-office or independent operation: 1929 and 1919	475	14.	by industries: 1929	
		TH C	ARO	LINA	
		Page		and the state of the	Page
	Summary for the State: 1899 to 1929Summary for counties and cities: 1929	483	8.	Establishments classified as under corporate or other form of ownership (or control) and as under central-	:
	Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909		α.	administrative-office or independent operation: 1929 and 1919 Prime movers and electric motors, by number and rated	486
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_	- 1		capacity, for the State, 1929, 1927, 1925, 1919, and	L
	Establishments classified according to prevailing hours of labor per week for wage earners: 1929		10.	Horsepower of prime movers and of electric motors, by counties: 1929	
6.	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909			Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909	487
7.	Establishments classified as to size by value of products: 1929, 1919, and 1909	486		General statistics for the State, by industries: 1929 General statistics for Greenville and Spartanburg Counties, by industries: 1929	
	in also the core growing the CDE, with both no stadiotic well		1.50	(1994年) [14] [14] [14] [14] [15] [16] [16] [16] [16] [16] [16] [16] [16	
	[4] And Christopher and Christopher States and Management and Projection of the Computation of the Comput			Link and the street as the scale department of a same soft area of the department of the surface of the same solution.	
÷.	n an an an Airmean an airmeach an taireach airmean fair an aige an an airtig. Caille an Caille an Caille an Airmeach an airmeach an Airmeach an airmeach an Airmeach an Airmeach an Airmeach Caille an Airmeach an Airme			 [1] Albanda M. Martin, and A. Martin,	
	The fifth of the control of the cont			(2) The state of the state o	
	(a) The first of the performance of the property of the performance				

SOUTH DAKOTA

		Page			Page
1.	Summary for the State: 1899 to 1929	491	8.	Establishments classified as under corporate or other	
2.	Summary for counties and cities: 1929	492		form of ownership (or control) and as under central-	
	Persons engaged in manufacturing industries, by sex:		111	administrative-office or independent operation: 1929	
15	1929, 1919, 1914, and 1909	492		and 1919	494
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_	493	9.	Prime movers and electric motors, by number and rated	
	Establishments classified according to prevailing hours			capacity, for the State: 1929, 1927, 1925, 1919, and	.:
υ.	of labor per week for wage earners: 1929	403		1914	494
c			10.	Horsepower of prime movers and of electric motors, by	
	Establishments classified as to size by number of wage	400		counties: 1929	494
77	earners: 1929, 1919, and 1909	490	11.	Fuel and electric energy consumed, by quantity and	
1.	Establishments classified as to size by value of products:		10	cost: 1929, 1927, 1923, 1919, 1914, and 1909	
	1929, 1919, and 1909	493	12.	General statistics, by industries: 1929	495
	and the second of the second o	ENN)	ROOT	ייני איני איני איני איני איני איני איני	
	en e		ESSE	190 0 - Production of the control o	
		Page	2.5		Page
	Summary for the State: 1899 to 1929		9.	Prime movers and electric motors, by number and rated	
	Summary for counties and cities: 1929	497		capacity, for the State, 1929, 1927, 1925, 1919, and	
3.	Persons engaged in manufacturing industries, by sex:			1914, and for important counties, 1929	500
	1929, 1919, 1914, and 1909		10.	Horsepower of prime movers and electric motors by	
	Wage earners, by months: 1929, 1919, 1914, and 1909_	499	G71	counties: 1929	501
ð.	Establishments classified according to prevailing hours				
c.	of labor per week for wage earners: 1929	499	11.	Fuel and electric energy consumed, by quantity, and	
о.	Establishments classified as to size by number of wage			cost: 1929, 1927, 1923, 1919, 1914, and 1909	
77	earners: 1929, 1919, and 1909	499	12.	General statistics for the State, by industries: 1929	502
1	Establishments classified as to size by value of products: 1929, 1919, and 1909	500	13.	General statistics for selected counties, by industries:	
Q	Establishments classified as under corporate or other	000		1929	504
٥,	form of ownership (or control) and as under central-		1.4		-
	administrative-office or independent operation: 1929	ļ	14.	General statistics by industries for Knoxville and	
	and 1919	500		Nashville, and combined general statistics for all	F00
		000		industries for Chattanooga and Memphis: 1929	500
		TEX	KAS	ing the second of the control of the second	
	 State of the property of the second section of the second section. 				
		Page	١.	2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Page
ů.	Summary for the State: 1899 to 1929	507	9.	Prime movers and electric motors, by number and	
2.	Summary for counties and cities: 1929 Persons engaged in manufacturing industries, by sex:	507		rated capacity, for the State, 1929, 1927, 1925, 1919,	
٠.	1929, 1919, 1914, and 1909	P10	100	and 1914, and for important counties, 1929	511
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_	210 210	10.	Horsepower of prime movers and of electric motors,	
5.	Establishments classified according to prevailing hours	010		by counties: 1929	512
	of labor per week for wage earners: 1929	510			
6.	Establishments classified as to size by number of wage	010	11.	Fuel and electric energy consumed, by quantity and	
	earners: 1929, 1919, and 1909	510		cost: 1929, 1927, 1923, 1919, 1914, and 1909	513
7.	Establishments classified as to size by value of products:		12.	General statistics for the State, by industries: 1929	513
	1929, 1919, and 1909	511		•	
8.	Establishments classified as under corporate or other		13,	General statistics for important counties, by industries:	
	form of ownership (or control) and as under central-	16.		1929	515
	administrative-office or independent operation: 1929		14.	General statistics for important cities, by industries:	
	and 1919	511		1929	517
	en e				-,
	化二烯基苯二甲烷 医大大性性 医牙髓性炎 化过去离子机工	UT	AH		
	· Comment of the second of the	Poga	- I	is an allow, learning property and the first case death of	
1.	Summary for the State: 1899 to 1929	510	· Q	Establishments classified as under corporate or other	Page
2.	Summary for counties and cities: 1929	610	٥.	form of ownership (or control) and as under central-	
3	Persons engaged in manufacturing industries, by sex:	0 ∠0		administrative-office or independent operation:	•
٥.	1929, 1919, 1914, and 1909	#D0	ļ	1929 and 1919	501
А	Ware corners by months, 1000 tore	520	9.	Prime movers and electric motors, by number and rated	υΔΙ
±.	Wage earners, by months: 1929, 1919, 1914, and 1909.	520	"	capacity, for the State, 1929, 1927, 1925, 1919, and	
5.	Establishments classified according to prevailing hours			1914, and for Salt Lake County, 1929	522
_	of labor per week for wage earners: 1929	521	10.	Horsepower of prime movers and of electric motors,	
6.	Establishments classified as to size by number of			by counties: 1929	522
	wage earners: 1929, 1919, and 1909	521	11.	Fuel and electric energy consumed, by quantity and	Ĺ
7.	Establishments classified as to size by value of products: 1929, 1919, and 1909			cost: 1929, 1927, 1923, 1919, 1914, and 1909	522
	ucos: 1929, 1919, and 1909	521	12	General statistics for the State, by industries: 1929	KO 2
		ODI (12.	denotal statistics for the State, by Industries: 1929	. 0∡0

VERMONT

31.5		age	. 1		Page
	Summary for the State: 1899 to 1929		8.	Establishments classified as under corporate or other	
2.	Summary for counties and cities: 1929	525		form of ownership (or control) and as under central-	1
	Persons engaged in manufacturing industries, by sex:			administrative-office or independent operation:	527
		526	0	1929 and 1919 Prime movers and electric motors, by number and rated	021
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_	526	9.	capacity, for the State, 1929, 1927, 1925, 1919, and	
	Establishments classified according to prevailing hours	1		1914, and for Rutland County, 1929	527
	of labor per week for wage earners: 1929	526	10.	Horsepower of prime movers and of electric motors, by	
6.	Establishments classified as to size, by number of wage			counties: 1929	528
	earners: 1929, 1919, and 1909	526	11.	Fuel and electric energy consumed, by quantity and cost:	
7.	Establishments classified as to size, by value of prod-	. 1.7		1929, 1927, 1923, 1919, 1914, and 1909	
5.55	ucts: 1929, 1919, and 1909	527	12.	General statistics for the State, by industries: 1929	529
)	and the property of the state of the contract of	WIDO	TATTA		
-		VIRG	IINIA	ago agus an Aire an Ai Tao ann an Aire an Air	
		Page	. '		Page
1.	Summary for the State: 1899 to 1929	531	8.	Establishments classified as under corporate or other	
2.	Summary for counties and cities: 1929	532		form of ownership (or control) and as under central-	
	Persons engaged in manufacturing industries, by sex:			administrative-office or independent operation: 1929 and 1919	K0K
	1929, 1919, 1914, and 1909	534		Prime movers and electric motors, by number and	
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_		9.	rated capacity, for the State, 1929, 1927, 1925, 1919,	
	Establishments classified according to prevailing hours			and 1914, and for important counties, 1929	
	of labor per week for wage earners: 1929	534	10.	Horsepower of prime movers and of electric motors, by	
6.	Establishments classified as to size, by number of wage		* .	counties: 1929	
	earners: 1929, 1919, and 1909	534	11.	Fuel and electric energy consumed, by quantity and cost:	
7.	Establishments classified as to size, by value of prod-	11.		1929, 1927, 1923, 1919, 1914, and 1909	537
	ucts: 1929, 1919, and 1909	535	12.	General statistics for the State, by industries: 1929	537
		ASHI	NOTA		:
		ASXII	11011		
		Page			Page
	Summary for the State: 1899 to 1929		9.	Prime movers and electric motors, by number and	
2.	Summary for the Seattle-Tacoma industrial area and	F00		rated capacity, for the State, 1929, 1927, 1925, 1919,	
0	for counties and cities: 1929			and 1914, and for the Seattle-Tacoma industrial area and important counties: 1929	542
ð,	Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909				
4.	Wage earners, by months: 1929, 1919, 1914, and 1909		10.	Horsepower of prime movers and of electric motors, by	
	Establishments classified according to prevailing hours		İ	counties: 1929	543
	of labor per week for wage earners: 1929	541	11.	Fuel and electric energy consumed, by quantity and	
6.	Establishments classified as to size by number of wage			cost: 1929, 1927, 1923, 1919, 1914, and 1909	543
	earners: 1929, 1919, and 1909		10	General statistics for the State, by industries: 1929	E44
7.	Establishments classified as to size by value of prod-		12.	General scausoics for the State, by incustries, 1929	044
ö	ucts: 1929, 1919, and 1909 Establishments classified as under corporate or other		13.	General statistics for the Seattle-Tacoma industrial	
0.	form of ownership (or control) and as under central-			area and for selected counties, by industries: 1929	546
	administrative-office or independent operation: 1929		14.	General statistics for important cities, by industries:	:
	and 1919			1929	
		* 1			
	\mathbf{w}	est v	IRGI	NIA	
		Page	ı		Page
1.	Summary for the State: 1899 to 1929	553	8.	Establishments classified as under corporate or other	•
9	Summary for the Wheeling industrial area and for			form of ownership (or control) and as under central-	
۵,	counties and cities: 1929			administrative-office or independent operation: 1929	
_			,	and 1919Prime movers and electric motors, by number and	
3.	Persons engaged in manufacturing industries, by sex:		9.	rated capacity, for the State, 1929, 1927, 1925, 1919,	
	1929, 1919, 1914, and 1909	. 000		and 1914, and for the Wheeling industrial area and	
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_	555		important counties: 1929	
			10.	Horsepower of prime movers and of electric motors, by	r .
5.	Establishments classified according to prevailing hours		1	counties: 1929	
	of labor per week for wage earners: 1929	บบบ	11.	Fuel and electric energy consumed, by quantity and	
6.	Establishments classified as to size by number of wage		1.0	cost: 1929, 1927, 1923, 1919, 1914, and 1909	
	earners: 1929, 1919, and 1909	555		General statistics for the State, by industries: 1929 General statistics by industries for the Wheeling	
7	Establishments classified as to size by value of prod-	•	10.	industrial area and general statistics combined for	
1.	ucts: 1929, 1919, and 1909			all industries for important counties: 1929	
		_ ~ ~			

WISCONSIN

1.	Page	9 .		Page
1.	Summary for the State: 1899 to 1929 561	1 8.	Establishments classified as under corporate or other	
2.	Summary for the Milwaukee industrial area and for counties and cities: 1929 561	1	form of ownership (or control) and as under central- administrative-office or independent operation: 1929 and 1919	564
3.	Persons engaged in manufacturing industries, by sex: 1929, 1919, 1914, and 1909 568		Prime movers and electric motors, by number and rated capacity, for the State, 1929, 1927, 1925, 1919,	
4.	Wage earners, by months: 1929, 1919, 1914, and 1909_ 563			564
5.	Establishments classified according to prevailing hours of labor per week for wage earners: 1929 563	3	Horsepower of prime movers and of electric motors, by counties: 1929	
6.	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 568	2	Fuel and electric energy consumed, by quantity and cost: 1929, 1927, 1923, 1919, 1914, and 1909General statistics for the State, by industries: 1929	565
7.	Establishments classified as to size by value of products: 1929, 1919, and 1909 564		General statistics for the Milwaukee industrial area and for selected counties, by industries: 1929	
2. 3.	Page Summary for the State: 1899 to 1929	3 8. 3 4	Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1929 and 1919	575
	Establishments classified according to prevailing hours of labor per week for wage earners: 1929 574		rated capacity for the State: 1929, 1927, 1925, 1919, and 1914	575
6.	Establishments classified as to size by number of wage earners: 1929, 1919, and 1909 574	10.	counties: 1929Fuel and electric energy consumed, by quantity and	576
7.	Establishments classified as to size by value of products: 1929, 1919, and 1909 575		cost: 1929, 1927, 1923, 1919, 1914, and 1909 General statistics, by industries: 1929	
	APPE	ENDIX	ES	
A	Lists of industries with descriptions 578	8 B.	General schedule	590

regions, and received to be the first hand to the till

The second secon

than it is a sufficient to his open the great and the contribution of the