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MANUFACTURE IN THE U.S.

A BILLION DOLLAR STATE

Nearly a billion dollars, or more nearly exactly, \$943,808,000 is the factory value of the manufactured products of North Carolina in 1919. And this total Carolina far and away led the South does not cover hand trades, building with 417 million dollars against 298 mil trades, and neighborhood industries, that is to say, domestic industries not organized in factory systems.

Factory industries alone considered, only fourteen states made a better showing than North Carolina, and only one of these was a Southern state. But then, Texas is not a state-it is an empire, with nearly twice the population North Carolina.

The simple fact is that we were a-

Twenty years ago twenty-seven states outranked North Carolina in the value of manufactured output. Among the states that stood ahead of us at that Island, Maine, New Hampshire, Iowa, Kansas, Nebraska, Kentucky, Tennessee, Georgia, Louisiana, and Colorado. But we have moved beyond these thirteen states in manufacturing industries during the last two decades. Which means that the Old North State is striding forward in seven-league boots; that she is moving out of the dominance of agriculture into the dominance of indus--out of a country into a town-andfactory civilization, not in the number of people involved, but in wealth and influence. The point we make becomes clear when we consider the influence of something like 2,000 people who are busy with the business of banking in North Carolina. They are few in number but their lightest whisper sounds like thunder, and the lifting or lowering of their eyebrows registers fair weather or foul day by day for two and a half million people. Of similar sort is the rapidly developing influence of manufacture in the state.

Twenty-Year Increases

During the first twenty years of the new century, our factory establishments rose from 3,465 to 5,999. They did not greatly miss doubling in num-

The factory wage earners of North

million dollars in 1899 to 416 million dollars in 1919, which is nearly exactly ten lies wide open. times as much.

The table of twenty-year increases follows, and the details of it are worth

a thoughtful consideration. N. C. Factory Establishments:

1899 1919 3,465 Number. Wage earners.... 72,322 157,659 Cap. employed \$68,283,005 \$669,144,000 setts and Lancashire, and to hold an Wages paid... \$14,051,784 \$126,753,000 undisputed position as mistress of the Materials used \$44,854,224 \$526,906,000 Val. of products \$85,274,083 \$943,808,000 Value added

by mftre. \$40,419,859 \$416,902,000

Our Primacy in the South

North Carolina led the South in 1919 in the number of factory establishments, with 5,999 against 5,603 in Virginia, her nearest competitor.

In the number of wages and salary earners she led Georgia, her nearest competitor, by 34,000.

In the capital employed she led Texas by more than 100 million dollars, Virginia by 230 million dollars, and Georgia factor related to the future develop-

by 250 million dollars. In the total value of manufactured products Texas was the only Southern state that outranked North Carolina in struggling with economic hazards and plex social order. 1919, and her lead was only 57 million social disadvantages in her country

dollars. Our next nearest competitor was Georgia which fell behind by 250 million dollars.

And in values added to raw materials in the processes of manufacture North lion dollars in Texas, 269 million dollars in Virginia, and 253 millions in Georgia. But even more significant is the percent of value added to raw materials by manufacture in North Carolina. In this particular we led the whole United States, Wyoming alone excepted-at at least so far as reported by the cenand more than five times the area of in value contributed by the processes of sus authorities. Our ratio of increase manufacture was 249 percent. The only other Southern state that was in sight mong the fifteen foremost states of the of us in this detail was South Carolina, Union in manufacturing industries in with a ratio of 220 percent increase in 1919. See the table elsewhere in this the value of raw materials added by manufacture.

> North Carolina, in a word, has a clear lead in the South in manufacturing in-

We lead the world in tobacco manutime were Maryland, Virginia, Rhode facture. The 33 tobacco factories of the state consume a fourth of all the leaf tobacco used in manufacture in the entire United States, and pay a full fourth of all the tobacco taxes of the Union. In tobacco production we are not far behind Kentucky the leading tobacco growing state in America. Kentucky stands ahead of us in the lies in the coastal plain and foothill pounds of tobacco produced in average country—a reap hook in shape, with a years, but North Carolina stands first broad blade and handle, the point of in the total farm value of her tobacco the blade in Raleigh, the curve follow-

tile industry in almost every detail-in | westward through Gaston and Lincoln the number of mills, in the number of counties to Rutherford. In this area spindles and knitting machines, in the of cotton and tobacco farming and exnumber of new looms installed year by cessive farm tenancy are 48 counties, year, in the number of operatives em- and in these counties are nearly threeployed, in the total capital in use, in fourths of our factory enterprises, the volume of wages paid, in the gross more than four-fifths of all the bank value of textile products, in the variety capital of the state, and right around of cotton textiles produced, and even six-sevenths of all the business in bank more significantly in the ratio of values loans and discounts. added to raw cotton in the processes of manufacture. Our own mills consume a half million bales of cotton more than the state produces in average years.

There are now 513 textile mills in the state, compared with 180 in South Carolina and 173 in Georgia.

North Carolina has more mills that dye and finish their own product than

does not yet appear. The way ahead

"Ten years more at the present rate of progress", says the Greensboro News, remain about the same. 'and it will be nip and tuck between North Carolina and Massachusetts for first place in the manufacture of cotton. In twenty years by the exer-5,999 cise of reasonable intelligence North Carolina ought to lead both Massachucotton trade. Everything works in our favor. The cotton is at our doors. Electric power to drive machinery is available, and waterpower to generate electricity exists in many places in the state that have not as yet been invaded by the construction gang. The state's population numbers two and a half millions, and it is an industrious stock capable of developing the highest degree of manual skill. The situation could hardly be improved had it been made to order for the development of a great textile industry.

The editor might have named another ment of cotton mill industries in North Carolina-namely, the white farm tenants and their families who are still

areas. Counting only those who are fifteen years old and over, they number 227 thousand. Our factory employees numbered only 158,000 in 1919. In short, the available, untouched source of white wage labor in the state is larger than the grand total of wage earners employed today in our factory industries of all sorts, plus all other wage earners in the various mechanical trades. Which means that our cotton mills have a one hundred percent chance to expand in labor force during the next ten years-a basis on which to increase machine production in something like a

Cotton mills in the South, be it remembered, have flourished in densely populated areas of white farm tenants. Outside these particular areas successful cotton mills are so few as to be negligible in number anywhere in the South. Nobody-sees this fundamental fact more clearly than cotton mill promoters in the East. We ran across seven of these keen-witted men on the train to Texas last fall. They have an eye on Texas, but they are not in the least in doubt about the future cotton mill territory of that state. We are spying out the land of densely populated white farm tenants, said they, and their map of this area was perfectly drawn by the social engineering expert in the party. It set us to wondering how many men in the South were given to painstaking, competent prospecting in this fashion.

A Great Industrial Area

The industrial area of North Carolina ing the bend of the Southern Railway We lead the South in the cotton tex- to Charlotte, and the handle reaching

> where. The towns without factory in- State Department of Public Instruction. Extension Division, Chapel Hill, N. C. dustries must be content to remain small, or to mark time in population

The factory wage earners of North Carolina rose from 72,000 to 158,000; which is to say, they were more than doubled in number.

But the volume of their annual wages rose from 14 million to 127 million dollars, which is almost exactly nine times as much.

The largest denim mills in the United States are located at Greensboro, N. C. The largest damask mills in the United States are located at Roanoke Rapids, N. C.

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Winston-Salem contains the largest damask mills in the United States are located at Roanoke Rapids, N. C.

Winston-S

ing the nearby mills and factories beyond city limits, but with the excep tion named their relative rank would

The table below refers to the industrial products and the wage earners

within city incorporation lines.								
Ran	k City	Products	Wage					
	-		Earners					
1	Winston	\$200,485,000	14,030					
2	Durham	70,659,000	6,673					
3	Charlotte	43,096,000	5,906					
4	High Point	14,869,000	4,441					
5	Gastonia	12,013,000	3,100					
6	Wilmington	10,537,000	2,134					
7	Greensboro	7, 458, 000	1,930					
8	Asheville	. 7,091,000	1,313					
9	Raleigh	6,871,000	1,430					
10	New Bern	5,702,000	1,838					
11	Wilson	5,689,000	752					
12	Salisbury	5,127,000	1,144					
13	Rocky Mount	4,904,000	1,682					
14	Goldsboro	4,143,000	1,239					
	Total	\$398,644,000	47,612					

The Changing Order

The Federal Census of Industries covering the year 1919 makes it clear that North Carolina is rapidly moving out of the hand-made, home-spun civilization of an agricultural state, into the ma chine-made civilization of an industrial arban state—out of a simple into a com

To be sure a majority of the people

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You are wondering by what method nome and at the same time attend a the University enables you to study its course is made out by a University in-The University of North Carolina structor and contains from 10 to 30 lesthrough its Extension Division offers sons, called assignments. Each assignyou regular University courses by mail. ment contains: (a) Full directions for study, including references to textence courses covering the following books by chapter and page; (b) suggestions and remarks of the instructor; (c) questions for the student to answer in writing. At the University each set of answers is corrected by an instructor and returned to the student along with new assignments.

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of North Carolina still live in the country, but the ratio of country dwellers steadily dwindles. They increased in number during the last census period nine percent while the city increase was fifty-four percent.

A majority of people of the state engaged in gainful occupations are still engaged in agriculture, forestry, and animal husbandry, but the ratio decreases. Our farm workers increased seven percent in number during the last census period, while the workers in manufacturing and mechanical industries in creased fifty-eight percent.

Our cities are still few in number and small in size—only fourteen had ten thousand inhabitants or more in 1919, and they paid into the federal treasury more than nine million dollars in 1919, and they paid into the federal treasury more than four and a half million dollars in 1919, and they paid into the federal treasury more than four and a half million dollars in 1919, and they paid into the federal treasury more than four and a half million dollars in 1919, and they paid into the federal treasury twice as much money as all the general property tax payers of the state paid into the state treasury the same year.

The day of great fortunes is only just beginning in North Carolina enjoyed a net taxable income of more than nine million dollars in 1919, and they paid into the federal treasury more than four and a half million dollars in 1919, and they paid into the federal treasury twice as much money as all the general property tax payers of the state paid into the state; also it was nearly twice as much money as all the general property tax payers of the state paid into the state; also it was nearly twice as much money as all the general property tax payers of the state paid into the state; also it was nearly twice as much money as all the general property tax payers of the state paid into the state; also it was nearly twice as much money as all the general property tax payers of the state paid into the state; also it was nearly twice as much money as all the general propert

then we can have greater progress and less poverty, greater magnificence and

to 527 million dollars; which is eleven times as much.

The total value of products rose from 85 million to 944 million dollars. Here again the value is eleven-fold.

And, finally, the value added by manufacture to raw materials rose from 40 million dollars. The Look Ahead

But what North Carolina shall be as an industrial state in the years to come million dollars. The cansus totals of all the cities of the state would be increased by including the product of the product of the state follows the immemorial way of aimless dam industrial state in the lead, followed by Durance, and the way ahead is so-clear-nounced, and the way ahead is so-clear-nounced.

But it cannot be so if the state follows the imment of North Carolina is now so-pro-nounced, and the way ahead is so-clear-nounced.

The Look Ahead

But it alm the lead, follows the imment of North Carolina is now so-pro-nounced, and the way ahead is so

MANUFACTURE IN THE UNITED STATES

Covering Factory systems in the year 1919. Based on the preliminary statement of the Census Bureau. Building trades, hand trades, and neighborhood industries excluded.

Department of Rural Social Science, University of North Carolina									
Ran	k State		Value of Products	Rai	nk State	Value of Products			
1	New York	\$8	,875,007,000	25	Tennessee	\$556,253,000			
2	Pennsylvania	7,	,312,333,000	26	Alabama				
3	Illinois	5,	,874,007,000	27	West Virginia	471,871,000			
	Ohio		,100,299,000	28	Maine	456,822,000			
5	Massachusetts.		,007,452,000	29	New Hampshire	407, 205, 000			
6	New Jersey		,686,775,000	30	Oklahoma	401, 363, 000.			
7	Michigan	3,	,447,984,000	31	Kentucky	395,660,000			
8	California	1,	,981,410,000	32	South Carolina	381, 454, 000			
	Indiana		,901,846,000	33	Oregon	366, 783, 000			
10	Wisconsin		,883,608,000	34	Colorado	275,622,000			
11	Missouri		,599,264,000	35	Florida	213, 327, 000			
	Connecticut		,394,898,000	36	Arkansas	200,313,000			
13	Minnesota	1,	,218,130,000	37	Mississippi	197,747,000			
	Texas		999,996,000	38	Vermont	168,108,000			
15 l	North Carolina	9	43,808,000	39	Montana	166,664,000			
	Kansas		913,667,000	40	Delaware	165,073,000			
	Maryland		873,945,000	41	Utah	156,933,000			
	Washington		809,623,000	42	Arizona				
19	Rhode Island		747,823,000	43	Wyoming	81,445,000			
20	Iowa		745, 473, 000	44	Idaho	80,511,000			
	Georgia		693,556,000	45	South Dakota	62,171,000			
	Louisiana		676, 190, 000	46	North Dakota	57,374,000			
	Virginia		641,810,000	47	Nevada	22,874,000			
24	Nebraska		596,042,000	48	New Mexico	17,857,000			