

America on the World Stage
Transatlantic Teacher Scholars Program

New England

1. With the loss of the Transatlantic Slave Trade, how does it appear New England began to replace that revenue? _____

2. Why do you think New England became involved in this particular industry? _____

3. Look at the insurance document. Why do you think this insurance company might still be insuring trips to Africa if the slave trade was abolished in 1808? _____

4. Compare the 3 Lowell documents. How many mills are there in 1835? How many in 1846? In 1857? _____

5. What role do you think the invention of the cotton gin played in the increase of mills in New England? _____

6. If the United States were to implement a tariff on exported cotton, do you think New England would benefit? Why or why not? _____

7. How did New England continue to increase its wealth due to slavery, even though slavery was illegal in these states? _____

8. What people or groups of people are making money based on slavery in New England? _____

America on the World Stage
Transatlantic Teacher Scholars Program

STATISTICS OF LOWELL MANUFACTURES,

JANUARY 1, 1835.

COMPILED FROM AUTHENTIC SOURCES.

CORPORATIONS,	Locks & Canals	Merrimack	Hamilton.	Appleton.	Lowell.	Suffolk.	Tremont.	Lawrence.	Middlesex.	Total.
Capital Stock,	600,000	1,500,000	900,000	500,000	500,000	450,000	500,000	1,200,000	500,000	6,650,000
Number of Mills,	1	Print Works and 5	Print Works and 3	2	Cotton and Carpet Mill in one building.	2	2	4, another & Bleachery preparing.	2	22 Mills, beside Print Works, &c.
Spindles,		34,432	18,944	10,240	4,500 Cotton besides Woollen.	10,240	11,136	24,192	3,120	116,804
Looms,		1,253	560	350	140 Cotton 88 Carpet.	350	404	710	98	3,933
Females employed,		1,321	780	475	325	460	450	1,000	240	5,051
Males " "	200	437	200	70	150	70	80	160	145	1,512
Yards made per week,		172,000	78,000	80,000	43,270	90,000	120,000	164,000	4300 Cassimeres } 1500 Broadcloth }	753,630
Bales Cotton used in do.,		110	70	86	76	86	86	156	None.	670
Pounds Cotton wrought in do.,		40,000	25,500	30,000	25,600	30,000	30,000	54,600	470,000 wool prans. and 2,500,000 teasels.	235,700 cotton
Yards dyed and printed do.,		150,000	70,000	None.	None.	None.	None.	None.		220,000
Kinds of Goods made,	{ Machinery, Cars & Engines for Railroads. }	Prints & Sheetings No. 22 to 40	Prints & Drillings No. 14 to 40.	Sheetings & Shirtings, No. 14.	Carpet, Rags and Negro Cloth.	Drillings, No. 14.	Sheetings & Shirtings, No. 14.	Sheetings & Shirtings, No. 14 to 30, 37 to 41 inch. wide.	Broadcloths and Cassimeres.	
Tons Anthracite Coal expended per annum,		4,696	2,000	300	180	294	329	500	240	11,229
Cords of Wood per annum,		1,400	1,500	100	500	70	60	120	1,000	4,750
Gallons of Oil, " "		6,800	6,000	3,500	Olive 3,000 Sperm 4,500	3,840	3,692	6,217	Olive 10,500 Sperm 2,500	50,549
Diameter of Water Wheels,		30	13	13	13	13	13	17	17	
Length of do. for each Mill,		24	42	42	60	42	42	60	46	
Incorporated,		1822	1825	1828	1828	1830	1830	1830	1830	
Commenced operations,		1823	1825	1828	1828	1832	1832	1833-4	1833	
How warmed,		Hot Air Furnace.	Hot Air Furnace.	Hot Air Furnace.	Hot Air Furnace.	Hot Air Furnace.	Hot Air Furnace.	Steam.	Wakefield Furnace & Steam.	

REMARKS.

Yards Cloth made per annum,	39,170,040	*	Average wages of Females, clear of board,	\$1.90 per week.
Pounds Cotton consumed,	12,256,400	◇	" " of Males, clear of board,	80 cts. per day.
Assuming half to be Upland, and half N. Orleans and Alabama, the consumption in bales, is	34,800	◇	Medium produce of a Loom on No. 14. Yarn,	38 to 49 yds per day.
A pound of Cotton averaging	3 2-10th yds.	◇	" " No. 30,	25 to 30
100 pounds Cotton will produce 89 pounds Cloth.		◇	Average per Spindle 1 1-10th yard per day.	
As regards the health of persons employed, great numbers have been interrogated, and the result shows, that 6 of the females out of 10 enjoy better health than before being employed in the mills, — of males, one half derive the same advantage.		◇	Persons employed by the Companies are paid at the close of each month.	
As regards their moral condition and character, they are not inferior to any portion of the community.		◇	The average amount of wages paid per month,	\$89,000
		◇	A very considerable portion of the wages is deposited in the Savings Bank.	
		◇	Consumption of Starch per annum,	310,000 lbs.
		◇	" of Flour for do. in Mills, Print Works & Bleachery, per ann.	3,800 lbs.
		◇	" of Charcoal, per annum,	500,000 bushels.

To the above named principal establishments, may be added, the extensive Powder Mills, of O. M. Whipple, Esq; The Lowell Bleachery; Flannel Mills; Card and Whip Factory; Planing Machine; Reed Machine; Grist & Saw Mills, together employing about 300 hands, and a capital of \$300,000. Also, in the immediate vicinity, Glass Works, and a Furnace, supplying every description of Castings.

On the 1st. June next, the Middlesex Company will manufacture 500 yards of Sattinet per day, in addition to the above, and the consumption of Wool will then be 2000 lbs per day in their establishment. The Locks & Canals Machine Shop, included among the 22 Mills, can furnish machinery complete for a Mill of 5000 Spindles in 4 months, and lumber and materials are always at command, with which to build or rebuild a Mill in that time, if required.

America on the World Stage

Transatlantic Teacher Scholars Program

Depos. Jan 30, 1846. Joel Taylor author. See Vol. 21, Page 47.

STATISTICS OF LOWELL MANUFACTURES, JANUARY, MDCCCXLVI.

COMPILED FROM AUTHENTIC SOURCES.

CORPORATIONS.....	Merrimack Manuf'g Co.	Hamilton Manuf'g Co.	Appleton Co.	Lowell Manuf'g Co.	Middlesex Manuf'g Co.	Suffolk Manuf'g Co.	Tremont Mills.	Lawrence Manuf'g Co.	Boott Cotton Mills.	Massachusetts Cotton Mills.	Lowell Machine Shop.	Total.
Incorporated.....	1832	1825	1825	1825	1830	1830	1830	1830	1835	1839	1845	
Commenced Operations.....	1823	1825	1825	1825	1830	1830	1830	1833 & 1834	1836	1840	1845	
Capital Stock.....	\$2,000,000	1,200,000	600,000	600,000	750,000	600,000	600,000	1,500,000	1,200,000	1,200,000	300,000	10,550,000
Number of Mills.....	5 & Print Wks.	3 & Print-wks.	2	1 Carpet, 1 Cotton.	2 & 2 Dye-houses.	2	2	5	4	4	2 Shops, Smithy & Furnace.	33, excl'g of Print Works, &c.
Spindles.....	41,600	25,956	11,776	3,400 Wool, 7,142 Cotton.	7,200	12,332	11,520	44,632	34,248	29,152		228,856
Looms.....	1,300	737	400	244 Cotton, 50 Power Carpet, 30 Hand Carpet.	45 Broadcloth, 175 Cassimere.	404	409	1,360	966	919		6,304
Females employed.....	1,175	750	340	550	550	360	360	1,300	870	750		6,905
Males employed.....	600	270	65	225	300	80	70	200	160	160	500	2,690
Yards, &c., made per week.....	253,000	120,000	100,000	6,500 yds. Carpet, 40 Rugs, 35,000 yds. Cotton.	12,000 Cassimere, 2,100 Broadcloth.	100,000	171,000	260,000	198,000	297,000		527,000
Cotton consumed per week, pounds.....	60,000	50,000	36,000	50,000		40,000	30,000	95,000	69,000	97,000		34,000
Wool consumed per week, pounds.....				13,000	31,000							325,000
Yards Dyed and Printed.....	225,000	100,000										
Kind of Goods made.....	Prints & Sheetings No. 22 to 40.	Prints, Flannels & Sheetings, 14 to 40.	Sheetings & Shirtings, No. 14.	Carpet, Rugs and Cotton Cloth.	Broadcloth, Cassimere.	Drillings, 14.	Sheetings, No. 14, Shirtings, No. 14.	Printing Cloth, 14 to 30.	Drillings, No. 14, Shirtings, No. 40, Printing Cloth, 40.	Sheetings, 14, Shirtings, 14, Drillings, 14.	2,500 tons wire and cast iron per ann. 15,000 bush charcoal, 300 chaf. emulins 600 tons hard.	
Tons Anthracite Coal per annum.....	5,000	3,000	300	600	600	300	250		700			12,550
Wood per annum, cords.....	200	500		500	1,800	50	60	120	70	70	200	3,570
Oil per annum, gallons.....	11,000	6,500	3,440	Lard, - 8,000, Spermi, 5,000.	Lard, - 16,000, Spermi, 5,000.	3,500	3,693	8,217	7,100	7,600	2,300	87,350
Water-wheels, diameter.....	30 feet	13 feet	13 feet	13 feet	17 & 21 feet	13 feet	13 feet	17 feet	17 feet	17 feet	13 feet	
Length of do. for each Mill.....	24 feet	42 feet	42 feet	60 feet	23 & 21 feet	42 feet	42 feet	60 feet	60 feet	60 feet	33 feet	
How Warmed.....	Steam	Steam & H. A.	Steam	Hot-air Furn.	Furn. & Steam.	Steam	Steam	Steam	Steam	Steam	Steam	

Other Manufactures.	Quantity.	Value.	Capital.	No. of Operativ's.	Other Manufactures.	Quantity.	Value.	Capital.	No. of Operativ's.	SYNOPSIS, Showing the amount of Manufactures, Value, Stock consumed, Capital and Hands employed per annum.					
Locks.....	23,400	12,000	3,000	16	Balances.....		9,000	4,000	6	Manufactures.	Quantity.	Value.	Stock.	Capital.	Hands.
Hosiery, woolen, worsted and cotton.....	31,000 prs.	10,300	7,000	24	Power-Loom Pickers.....		15,000	8,000	8	Cotton Cloth, of all kinds.....	74,138,711 yds.	3,905,642	25,432,918 (lbs.)		
Paper, wrapping.....	300,000 lbs.	16,500	10,000	10	Reeds, Sashes and Doors.....	9,100	9,500	6,000	8	Yarn, No. 14.....	10,200 lbs.	2,046			
Hats and Caps.....	46,000	60,000	20,000	85	Cloth Boxes and Folding Boards.....		20,000	5,000	20	Batting and Wadding.....	771,000 lbs.	57,700		8,475,000	7196
Cards.....		15,000	10,000	9	Stoves.....		40,000	16,000	20	Calico Printed.....	14,910,165 yds.	1,531,200			
Carriages.....		14,500	7,000	15	Cotton printed Backing.....	50,000 yds.	20,000	15,000	35	Cotton Goods bleached or colored at Cotton Mills.....	850,190 yds.	9,200		760,000, included in capital of Cotton Mills.	467
Soap.....	140,000 lbs. hd. 5,910 lbs. soft.	30,000			Men's Clothing, Saddles, Harnesses, and Trunks.....		140,000		160	Cotton Goods bleached or colored at Bleachery.....	8,000,000 yds.	800,000		70,000	90
Candles, tallow.....	16,674 lbs.	14,000	29,000	18	Brass & Copper manufactured.....		8,000	2,000	12	Broadcloths.....	109,300 yds.				
Gunpowder.....	875,000 lbs.	87,000	100,000	25	Marble wrought for Gravestones.....		17,500	9,000	8	Cassimeres.....	624,000 yds.	900,000	1,000,000		
Tin Ware.....		12,000	6,000	20	Lumber prepared for market, Bobbins, Druggist Boxes, &c.	1,600,000 ft.	19,200		15	Kentucky Jeans.....	90,900 yds.	15,000			
Boots and Shoes.....	6875 prs. Boots, 54,354 " Shoes.	60,166		185	Furnaces for Cast'gs and Hollow Ware, including Machine Shop.....	1,600 tons.	128,000	52,000	70	Flannel.....	333,759 yds.	73,271			
Cigars.....		7,000		10	Machinery made, including that made at Machine Shop.....		210,000	352,000	430	Green Bucking.....	2,291 yds.	1,100			
Building Stone, quarried and dressed.....		20,000		50						Pairs Blankets.....	2,297	6,891			
Whips.....		4,000		4						Woolen Yarn not made into cloth, pounds.....	30,935	5,562		826,000	1002
Bedsteads.....	2,500	6,000	3,000	12						Carpetings.....	412,220 yds.				
Loom Heddles.....	5,376	5,000								Rugs.....	2,080	368,334	825,438	321,000	444
Belting.....		1,134	3,500	31											

REMARKS.

Average wages of Females clear of board, per week.....\$2.00.
 Average wages of Males, clear of board, per day.....\$0.80.
 Average amount of wages paid, per month.....\$177,600.
 Medium produce of a Loom, No. 14 yarn, yards per day.....45.
 Medium produce of a Loom, No. 30 yarn, yards per day.....33.
 Average per Spindle, yards per day.....14.
 Consumption of Potato Starch, per annum, tons.....550.
 Consumption of Flour Starch, per annum, lbs.....100,000.
 Consumption of Flour for Starch, per annum, bbls.....775.
 The Middlesex Company make use annually of 4,000,000 teasels, 1,000,000 lbs. fine wool, 50,000 lbs. Glue, \$35,000 worth Dye Stuffs, and \$11,000 worth of Soap.
 The Lowell Machine Shop, included among the above Mills, can furnish machinery complete for a mill of 6,000 Spindles, in three months, and a mill can be built in the same time.
 The Prescott Manufacturing Company, incorporated in 1844, with a capital of \$600,000, have two cotton mills up but not in operation.
 The Hamilton Company have a large new mill nearly completed, and the Merrimack Company, Lowell Company, and Middlesex Company will erect one each, this year.

There are two Banks—The Lowell, capital \$200,000—The Railroad, capital \$600,000.
 The Savings Institution received on deposit for the year ending April 30, 1845, \$246,491 07, from 4,079 depositors, and the whole sum on deposit at that period was \$708,695 04. A large portion belongs to the operatives in the mills.
 There is a Mutual Insurance Company in the city, which has been highly successful in its operations.
 There is a valuable Library of 5000 vols. belonging to the City, to which any one can have access to by paying fifty cents per annum.
 The Mechanic Association have an extensive Reading Room, and a valuable Library of 3,300 volumes.
 There is a Mercantile Reading Room where all the principal papers are to be found.
 Nearly all the Religious Societies have valuable Libraries of religious and miscellaneous books.
 The several Manufacturing Companies have established a Hospital for the convenience and comfort of persons employed by them respectively when sick, which is under the superintendence of one of the best of surgeons and physicians.

There is one public High School in the city where all branches of education are taught preparatory to a collegiate course. Also, eight Grammar Schools and thirty-six Primary Schools, all of which will compare to advantage with any schools in the country. Average daily attendance about 3,500.

POPULATION OF LOWELL AT DIFFERENT PERIODS.

In 1820—About 200.
 In 1828—Males, 1,342.....Females, 2,190.....Total, 3,532.
 In 1830—Males, 2,392.....Females, 4,685.....Total, 6,477.
 In 1832—Males, 4,291.....Females, 5,963.....Total, 10,254.
 In 1833—Males, 4,437.....Females, 7,926.....Total, 12,363.
 In 1836—Males, 6,345.....Females, 11,288.....Total, 17,633.
 In 1837—18,010.
 In 1840—Males, 7,341.....Females, 13,640.....Total, 20,981.
 In 1844*—Males, 9,432.....Females, 15,097.....Total, 25,123.
 *34 Penobscot Indians included.

Published by JOEL TAYLOR, at the Office of the Lowell Daily Courier, and sold wholesale and retail.