

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

WM. J. HARRIS, DIRECTOR

BULLETIN 125

COTTON PRODUCTION

1913



WASHINGTON
GOVERNMENT PRINTING OFFICE
1914

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LETTER OF TRANSMITTAL.

DEPARTMENT OF COMMERCE,
BUREAU OF THE CENSUS,
Washington, D. C., May 15, 1914.

SIR:

I have the honor to transmit herewith Census Bulletin 125, which is a report on the production of cotton in 1913. The statistics were collected and compiled by this bureau under the supervision of William M. Steuart, chief statistician for manufactures, assisted by H. J. Zimmerman.

The report is presented in three divisions: (1) Annual production of cotton and linters in the United States, as returned by ginners and delinters, distributed by states and counties, from 1909 to 1913, inclusive, with statistics of production for previous years; (2) world's cotton production from 1909 to 1913, by countries; and (3) consumption, exports, imports, and stocks of cotton in the United States for specified periods, 1906 to 1914, inclusive.

During the season of 1913-14, as in previous years, 10 preliminary reports of cotton ginned to specified dates have been issued. The present report gives the aggregate of the figures included in the preliminary statements, and covers the fifteenth consecutive year for which statistics of cotton ginned have been collected and published by this bureau. Three reports of cotton seed crushed and linters produced were also collected as follows: To December 1, to January 1, and for the season.

In addition to the statistics of production, the bureau publishes each season a complementary report on the supply and distribution of cotton for the year ending August 31, and monthly reports of cotton consumed, imported, exported, and on hand, and of the number of active consuming cotton spindles. The statistics of imports show the countries of production, and those of exports the countries to which exported.

The service of the bureau in disseminating information concerning cotton has been extended during the past year and greater publicity is now being given to the reports of cotton ginned. In prior seasons the quantity of cotton ginned had been published by counties only twice during the year—as of December 13 and for the crop. During the past season information of this character has been given out for each report date, first for separate counties through the local agents of the bureau who have been instructed to furnish the totals to the local newspapers, and finally by summaries, showing comparative statistics by counties, which have been mailed to the newspapers of the respective states. Thus each locality and section is given information of particular interest to it.

In recent years there has been a marked increase in the quantity of linters obtained and a lowering in the average grade of this fiber, due to the closer delinting of the cotton seed. This condition has led to a demand that this product be excluded from the totals of cotton produced and accordingly statistics of lint cotton and of linters are now shown separately.

Very respectfully,



Director of the Census.

HON. WILLIAM C. REDFIELD,
Secretary of Commerce.

COTTON PRODUCTION IN THE UNITED STATES.

A comparative summary is given in Table 1 of the production of cotton and linters in the United States from 1899 to 1913, inclusive, as ascertained from the reports of ginners and delinters.

These statistics are given in running bales, and in equivalent 500-pound bales, and show separately the number of upland square, upland round, sea-island, and linter bales.

TABLE 1.—COMPARATIVE SUMMARY—COTTON AND LINTER PRODUCTION: CROPS OF 1899 TO 1913.

GROWTH YEAR.	COTTON (EXCLUSIVE OF LINTERS).						LINTERS.	
	Running bales, counting round as half bales.	Equivalent 500-pound bales.	Running bales.				Running bales.	Equivalent 500-pound bales.
			Total.	Upland.		Sea-island.		
				Square.	Round.			
1913.....	13,982,811	14,156,486	14,032,792	13,855,267	99,962	77,563	631,153	638,881
1912.....	13,488,539	13,703,421	13,529,303	13,373,998	81,528	73,777	602,324	609,594
1911.....	15,553,073	15,692,701	15,603,850	15,383,003	101,554	119,293	556,276	557,575
1910.....	11,568,334	11,608,616	11,624,777	11,421,522	112,887	90,368	397,628	397,072
1909.....	10,072,731	10,004,949	10,148,076	9,902,595	150,690	94,791	313,478	310,433
1908.....	13,086,005	13,241,799	13,207,157	12,870,994	242,305	93,858	346,126	345,507
1907.....	11,057,822	11,107,179	11,157,096	10,871,652	198,549	86,895	268,060	268,282
1906.....	12,983,201	13,273,809	13,117,310	12,791,541	268,219	57,550	322,064	321,689
1905.....	10,495,105	10,575,017	10,635,023	10,242,648	279,836	112,539	230,497	229,539
1904.....	13,451,337	13,438,012	13,599,412	13,198,944	296,151	104,317	245,973	241,942
1903.....	9,819,969	9,851,129	10,205,073	9,359,472	770,208	75,393	195,752	194,486
1902.....	10,588,250	10,630,945	11,078,882	9,992,665	981,264	104,953	196,223	196,223
1901.....	9,582,520	9,509,745	9,954,945	9,132,215	744,851	77,879	166,026	166,026
1900.....	10,102,102	10,123,027	10,486,148	9,629,762	768,092	88,294	143,500	143,500
1899.....	9,393,242	9,345,391	9,645,974	9,043,231	505,464	97,279	114,544	114,544

The quantity of cotton reported for the crop of 1913, counting round as half bales and excluding linters, is 13,982,811 running bales. With the exception of that of 1911 this is the largest crop the United States has ever produced. Expressed in gross 500-pound bales, the crop amounted to 14,156,486 bales, being 1,536,215 bales, or 9.8 per cent less than that of 1911, but exceeding that of 1912 by 453,065 bales, or 3.3 per cent; that of 1909, the smallest crop in recent years, by 4,151,537 bales, or 41.5 per cent; and that of 1904, the fourth largest crop, by 718,474 bales, or 5.3 per cent. The average annual production of cotton for the first five-year period shown in the table (1899-1903) was 9,892,047 bales; for the second (1904-1908) 12,327,163 bales; and for the last (1909-1913) 13,033,235 bales. The increase in the average annual production during the last period over the second was 706,072 bales, or 5.7 per cent, and over the first, 3,141,188 bales, or 31.8 per cent.

Practically the entire production of cotton in the United States is upland, which includes a number of long-staple varieties, only about one-half of 1 per cent of the total cotton production in 1913 being of the sea-island variety. Although the production of sea-island cotton during the period covered by the table shows variations from 57,550 running bales in 1906 to 119,293 in 1911, there has been no general tendency toward an increase or a decrease in the production of this variety.

The production of linters shows a marked increase during the period covered by the table—from 114,544 bales in 1899 to 638,881 bales in 1913. This gain is due, in part, to the increase in the production of cotton and hence of cotton seed available for delinting, and, in part, to the marked development since 1899 of the cottonseed-products industry, resulting in an increase in the proportion of the total seed supply reginned. The closer delinting of the seed for the better separation of the meat from the hulls, however, is re-

sponsible for a large part of the increase, as many mills now obtain in excess of 100 pounds of linters per ton of seed treated, whereas formerly few obtained as much as 50 pounds. Detailed information regarding cotton seed crushed and linters obtained is presented on pages 30 to 32.

PRODUCTION BY STATES.

Table 2 shows, by states, the quantity of cotton grown in the years 1909 to 1913, inclusive, the percentage of the total crop represented by the crop of each state, the rank of each state according to quantity produced, and the production of linters. The production of cotton for earlier years is shown in Tables 14 and 15.

The cotton crop of 1913, as compared with that of 1912, shows a gain in each of the states, presented separately in Table 2, with the exceptions of North Carolina, Oklahoma, Texas, and Virginia. The production in Alabama, Georgia, South Carolina, and Tennessee was the largest ever reported for these states, except for 1911. Arkansas made its record crop in 1913 and Louisiana showed the largest amount ginned from a single crop since 1908. While the crop in Texas was nearly 1,000,000 bales short of the record crop of 1912, it was exceeded by that and only two others—those of 1906 and 1911. Great variations are shown in the crops of this state in the different years. In 1906 the production was 4,174,206 bales, while the following year it amounted to only 2,300,179 bales. The production then rose to 3,814,485 bales in 1908, to 4,256,427 bales in 1911, and to 4,880,210 bales in 1912. The state produced 25.2 per cent of the total crop of the country in 1909, 26.3 per cent in 1910, 27.1 per cent in 1911, 35.6 per cent in 1912, and 27.9 per cent in 1913.

A large part of the increase in production of cotton in recent years has been due to that in Georgia and South Carolina. The production of cotton in Georgia in 1913, while showing an increase of more than half a million bales, as compared with the previous year, was still 452,026 bales short of the record crop of 1911. The crop of 1913, however, was, in this state, greater than that of 1906 by 724,029 bales, or 45.5 per cent, and in South Carolina by 501,633 bales, or 57.3 per cent.

The production of cotton in Louisiana decreased steadily from 1906 to 1910, though since then there has been some increase. In 1906 the production of the state amounted to 987,779 bales, while in 1910 the amount was only 245,648 bales. This rapid decline was due largely to the ravages of the boll weevil and

to the consequent diversion of cotton lands to the cultivation of sugar cane, rice, and other crops. There has been a tendency to return to the cultivation of cotton in some sections of the state, and it is expected that there will be a further increase in the production.

The Imperial Valley, in the southern part of California, is well suited to the cultivation of cotton. This section has a very rich soil, a warm climate, a long season, and, situated as it is on a lower level than the Colorado River, the further advantage of being easily susceptible to irrigation. The yield is high and the staple has length, strength, and uniformity, characteristics which are very desirable, and due, in part, to the absence of periods of drought or of excessive rains. The high cost of labor for picking cotton, however, is a drawback, while the suitability of the land for other crops undoubtedly restricts, to some extent, this culture.

Cotton has been grown in this locality on a commercial basis for only a few years. There were 5,986 bales ginned in 1910, 9,790 in 1911, 8,215 in 1912, and 22,838 in 1913. It has been reported that the acreage planted to cotton in 1914 would show a large increase over that in 1913, while the probable production is variously estimated from 50,000 to 100,000 bales.

The statistics for California include some cotton grown in Mexico (Lower California) and brought into this country to be ginned. The same conditions of soil and climate are found in the Mexican portion of the Imperial Valley as in the American, while the cost of picking is less because of the availability of Chinese labor. According to official reports, the quantity of unginned cotton imported into the customs district of southern California during the seven months ending March 31, 1914, was 10,814,808 pounds. All of this was cotton from Mexico. When ginned, it was equivalent to about 7,500 bales of lint cotton.

There were 2,299 bales reported as ginned in Arizona from the crop of 1913. The larger part of this cotton has the same characteristics as that grown in Egypt, having been propagated from seed brought from that country. The cotton is grown on irrigated land and the average yield is high. The area to be devoted to this staple in 1914 shows a large increase over that of 1913, the amount being variously estimated from 12,000 to 15,000 acres. The suitability of the land for growing other and possibly more remunerative crops, however, will tend to restrict cotton cultivation in this state.

COTTON PRODUCTION: 1913.

TABLE 2.—PRODUCTION, BY STATES, OF UPLAND AND SEA-ISLAND COTTON, WITH PERCENTAGE OF THE TOTAL CROP REPORTED FROM EACH STATE AND RANK OF EACH STATE IN THE PRODUCTION OF COTTON; ALSO THE PRODUCTION OF LINTERS: 1909 TO 1913.

STATE.	Growth year.	COTTON PRODUCED (EXCLUSIVE OF LINTERS).							Per cent of total ginned. ¹	Rank in production. ¹	LINTERS.				
		Running bales, counting round as half bales.	Equivalent 500-pound bales.		Running bales.	Upland.	Sea-island.	Running bales.			Equivalent 500-pound bales.				
			Gross.	Net.							Total.	Square.	Round.	Gross.	Net.
United States....	1913	13,982,811	14,156,486	13,544,703	14,032,792	13,855,267	99,962	77,563	100.0	.....	631,153	638,881	611,110	
	1912	13,488,539	13,703,421	13,113,000	13,529,303	13,373,995	81,528	73,777	100.0	.....	602,324	609,594	583,091	
	1911	15,553,073	15,692,701	15,012,853	15,603,650	15,883,003	101,554	119,293	100.0	.....	556,276	557,575	533,099	
	1910	11,568,334	11,608,616	11,103,584	11,624,777	11,421,522	112,887	90,368	100.0	.....	397,628	397,072	379,576	
	1909	10,072,731	10,004,949	9,566,435	10,143,076	9,902,595	150,690	94,791	100.0	.....	313,478	310,433	296,640	
Alabama.....	1913	1,483,669	1,495,485	1,430,385	1,489,326	1,478,011	11,315	.....	10.6	3	53,860	53,900	51,590	
	1912	1,328,297	1,342,275	1,283,978	1,332,928	1,323,066	9,262	.....	9.8	3	38,839	39,161	37,452	
	1911	1,695,284	1,716,534	1,642,143	1,701,585	1,688,982	12,603	.....	10.9	3	40,667	40,673	38,884	
	1910	1,192,179	1,194,250	1,141,978	1,197,916	1,186,442	11,474	.....	10.3	4	29,046	29,035	27,757	
	1909	1,040,137	1,024,350	978,898	1,049,961	1,030,313	19,648	.....	10.2	5	25,240	25,426	24,316	
Arkansas.....	1913	1,038,293	1,072,846	1,027,247	1,040,987	1,035,600	5,387	.....	7.6	6	40,671	42,049	40,259	
	1912	770,937	792,048	758,167	772,170	769,704	2,466	.....	5.8	8	34,084	35,106	33,606	
	1911	908,014	939,302	899,396	909,465	906,563	2,902	.....	6.0	8	31,836	32,994	31,593	
	1910	798,156	821,233	786,176	800,105	796,206	3,899	.....	7.1	7	26,072	26,641	25,494	
	1909	697,903	713,463	682,809	700,748	694,457	6,291	.....	7.1	6	20,514	20,621	19,718	
Florida.....	1913	66,700	58,695	56,374	66,700	41,113	.....	25,587	0.4	12	2,621	2,409	2,293	
	1912	58,833	52,700	50,707	58,833	36,499	.....	22,334	0.4	12	1,415	1,283	1,220	
	1911	94,471	83,388	80,222	94,471	53,201	.....	41,270	0.5	12	1,955	1,693	1,607	
	1910	67,172	58,949	56,700	67,172	37,755	.....	29,417	0.5	12	1,205	1,100	1,045	
	1909	61,877	54,011	51,964	61,877	33,719	.....	28,158	0.6	11	1,059	936	889	
Georgia.....	1913	2,346,237	2,316,601	2,214,406	2,346,237	2,302,932	.....	43,305	16.4	2	110,629	108,799	103,931	
	1912	1,812,778	1,776,546	1,697,833	1,812,778	1,769,042	.....	43,736	13.0	2	76,185	74,909	71,557	
	1911	2,794,295	2,768,627	2,647,428	2,794,295	2,721,391	.....	72,904	17.6	2	80,313	77,172	73,638	
	1910	1,812,178	1,767,202	1,688,616	1,812,178	1,764,243	.....	47,935	15.2	2	55,737	53,408	50,956	
	1909	1,850,125	1,804,014	1,723,858	1,850,125	1,798,065	.....	52,060	18.0	2	51,705	49,262	46,987	
Louisiana.....	1913	430,865	443,821	424,627	437,729	436,000	1,729	.....	3.1	9	21,823	22,368	21,408	
	1912	374,793	370,096	359,625	375,899	374,187	1,212	.....	2.7	9	17,927	18,398	17,609	
	1911	380,826	384,597	367,873	381,859	379,794	2,065	.....	2.5	10	18,592	18,885	18,067	
	1910	246,788	245,648	234,847	248,593	244,984	3,609	.....	2.1	10	9,587	10,085	9,663	
	1909	258,459	253,412	242,179	262,824	254,095	8,729	.....	2.5	9	11,114	11,264	10,775	
Mississippi.....	1913	1,251,841	1,310,743	1,255,662	1,251,841	1,251,841	.....	.....	9.2	5	60,766	64,658	61,985
	1912	1,004,376	1,046,418	1,002,225	1,004,376	1,004,376	.....	.....	7.6	5	45,228	47,881	45,891
	1911	1,169,066	1,203,545	1,152,106	1,169,066	1,169,066	.....	.....	7.7	5	46,718	48,777	46,721
	1910	1,212,104	1,262,680	1,209,847	1,212,104	1,212,104	.....	.....	10.9	3	42,315	43,988	42,126
	1909	1,073,105	1,083,215	1,035,998	1,073,105	1,073,105	.....	.....	10.8	4	36,475	37,461	35,856
Missouri.....	1913	63,761	67,105	64,300	63,761	63,761	.....	.....	0.5	11	3,399	3,528	3,389
	1912	53,538	55,691	53,336	53,538	53,538	.....	.....	0.4	11	2,433	2,529	2,422
	1911	61,119	96,808	92,709	61,119	61,119	.....	.....	0.6	11	4,217	4,381	4,195
	1910	58,822	59,633	57,050	58,969	58,674	295	.....	0.5	11	2,444	2,526	2,418	
	1909	44,444	45,141	43,185	44,444	44,444	.....	.....	0.5	12	1,869	1,929	1,847
North Carolina.....	1913	837,995	792,545	755,673	837,995	837,995	.....	.....	5.6	8	34,998	33,321	31,781
	1912	906,351	865,653	823,774	906,351	906,351	.....	.....	6.3	7	28,729	26,929	25,665
	1911	1,126,276	1,075,826	1,026,270	1,126,276	1,126,276	.....	.....	6.9	6	30,131	28,655	27,629
	1910	753,087	706,142	673,006	753,087	753,087	.....	.....	6.1	8	21,665	20,708	19,754
	1909	633,749	60,606	572,722	633,746	633,746	.....	.....	6.0	7	16,140	14,956	14,246
Oklahoma.....	1913	842,490	840,387	803,974	842,490	821,981	41,037	.....	5.9	7	38,536	40,867	39,171	
	1912	1,005,109	1,021,250	977,722	1,026,890	983,327	43,563	.....	7.5	6	52,016	54,857	52,560	
	1911	1,016,538	1,022,092	977,972	1,035,537	997,539	37,998	.....	6.5	7	39,260	40,830	39,103	
	1910	919,842	923,063	889,044	934,019	905,685	28,334	.....	7.9	6	36,109	35,892	34,303	
	1909	552,678	544,954	521,082	566,596	538,761	27,835	.....	5.5	8	21,108	21,115	20,186	
South Carolina.....	1913	1,418,704	1,377,814	1,315,599	1,418,704	1,410,093	.....	8,671	9.7	4	46,580	45,016	42,966	
	1912	1,224,245	1,182,128	1,128,446	1,224,245	1,216,538	.....	7,707	8.6	4	35,517	34,131	32,569	
	1911	1,692,146	1,648,712	1,574,379	1,692,146	1,687,027	.....	5,119	10.5	4	36,989	35,384	33,757	
	1910	1,210,968	1,163,501	1,110,830	1,210,968	1,197,952	.....	13,016	10.0	5	29,572	28,428	27,127	
	1909	1,137,382	1,099,955	1,050,259	1,137,382	1,122,809	.....	14,573	11.0	3	26,927	26,094	24,910	
Tennessee.....	1913	366,786	379,471	363,332	366,786	366,786	.....	.....	2.7	10	34,671	35,739	34,214
	1912	267,439	276,546	264,778	267,439	267,439	.....	.....	2.0	10	22,292	23,247	22,266
	1911	430,027	449,737	430,816	430,027	430,027	.....	.....	2.9	9	28,815	29,408	28,141
	1910	321,103	331,947	317,819	321,103	321,103	.....	.....	2.9	9	16,493	17,529	16,803
	1909	240,757	246,630	236,037	240,757	240,757	.....	.....	2.5	10	12,640	13,089	12,533
Texas.....	1913	3,773,024	3,944,970	3,779,605	3,793,271	3,752,777	40,494	.....	27.9	1	176,202	179,525	171,772	
	1912	4,645,309	4,850,210	4,676,217	4,657,822	4,632,797	25,025	.....	35.6	1	243,314	246,638	235,932	
	1911	4,107,152	4,256,427	4,076,448	4,130,145	4,084,159	45,986	.....	27.1	1	190,096	191,221	182,856	
	1910	2,949,968	3,049,409	2,920,655	2,982,596	2,917,340	65,256	.....	26.3	1	122,964	123,079	117,669	
	1909	2,469,331	2,522,811	2,415,672	2,513,424	2,425,237	88,187	.....	25.2	1	85,189	84,681	80,932	
Virginia.....	1913	24,569	23,400	22,409	24,569	24,569	.....	.....	0.2	13	.....	.....	.....
	1912	25,490	24,398	23,276	25,490	25,490	.....	.....	0.2	13	.....	.....	.....
	1911	31,099	29,891	28,523	31,099	31,099	.....	.....	0.2	13	.....	.....	.....
	1910	16,095	14,815	14,107	16,095	16,095	.....	.....	0.1	13	.....	.....	.....
	1909	10,746	10,095	9,623	10,746	10,746	.....	.....	0.1	13	.....	.....	.....
All other ²	1913	31,868	32,513	31,110	31,868	31,868	.....	.....	0.2	.....	6,397	6,632	6,351
	1912	11,035	11,402	10,916	11,035	11,035	.....	.....	0.1	.....	4,345	4,525	4,333
	1911	16,760	17,215	16,478	16,760	16,760	.....	.....	0.1	.....	6,687	7,202	6,908
	1910	9,872	10,144	9,709	9,872	9,872	.....	.....	0.1	.....	4,359	4,653	4,461

"BOLLY COTTON."

At the close of each season more or less cotton is damaged by frost, and the bolls do not open fully. Formerly this cotton was considered worthless and no attempts were made to save it. The high price of cotton in recent years, however, has resulted in the devising of machinery for handling unopened bolls. These machines thrash out the seed cotton, after which it is passed to the gins, where it is treated in the same way as hand-picked seed cotton. The quantity of this cotton, usually called "bollies," is increasing, as many establishments, particularly in the western part of the cotton belt, are installing the necessary machinery for treating it. Its value, of course, depends upon its quality.

Believing that data of the quantity of "bollies" included in the totals for the crop of 1913 would be of interest and value, the bureau instructed its local agents to secure from ginners and others during the final canvass information as to this cotton. By reason of the fact that a comparatively small number of the gineries are equipped to handle this cotton and that, as a rule, the ginners purchase it from the growers before it is ginned, it was believed that most establishments would be able to give definite information as to the amount handled.

However, because of the difficulty and expense of getting cotton picked late in the season, many growers deem it preferable at the last picking to snap the opened and partially opened bolls with the unopened ones and send all through the same machinery. While the grade, and consequently the price, of a portion of this mixed cotton is lowered, the loss on this account is practically balanced by the margin of expense saved in the easier method of gathering. This cotton is sometimes classed as "bollies," although there does not appear to be uniformity in this respect. Accordingly, some of the agents included snapped cotton with "bollies," while others did not, and the results obtained are therefore not as satisfactory as might be desired and fail to reveal the exact quantity saved that formerly would have been altogether lost. They do give, however, a good idea of the quantity of cotton classed as "bollies," which helped to make up the total for the crop of 1913. From the data received it appears that there are about 1,200 gineries equipped for treating this cotton, and that the total amount was approximately 325,000 bales. Texas and Oklahoma produce nearly all of this cotton, as the winds prevailing in these states dry out the cotton in the unopened frost-bitten bolls, whereas, in some sections where the rainfall is greater, the bolls rot and the cotton can not be recovered.

CONDITIONS AFFECTING THE CROP OF 1913.

The cotton crop of 1913 began with an increased area planted, the revised estimate of the Department of Agriculture, published May 22, 1914, being 37,458,000

acres, as against its estimate of 34,766,000 acres for the crop of 1912. The crop, as a whole, got a late start, but good stands were obtained in practically the entire cotton belt other than the Atlantic Coast states, where much replanting was necessary—probably 25 per cent of their total cotton acreage. During May and June favorable weather conditions prevailed in all sections, offsetting, to a degree, the lateness of the crop and permitting the very late replanted cotton to get a good start. Favorable conditions continued, for the most part, in the Atlantic states and the greater portion of the middle Gulf states, enabling the plants in these sections to mature and fruit, and converting the early discouraging prospects into an excellent harvest. On the other hand, what promised to be a large yield in the area west of the Mississippi was reduced by prolonged drouth and excessive heat to a poor yield, considering that a large percentage of the increased acreage was in this section. The effects of the drouth and heat were especially severe in Oklahoma and only slightly less so in western Arkansas and the northern and western portions of the cotton-growing area of Texas.

An unusually early frost about October 21, and another and more extensive one a week later, killed the plants throughout a large part of the cotton belt and prevented further development of immature bolls. Good weather generally facilitated the harvesting of the crop, although in a few localities, particularly in eastern Texas and in Louisiana, excessive rains somewhat retarded picking and wrought much damage. The high price of the staple prevailing throughout the season encouraged rapid movement of cotton to the gineries.

COTTON INSECT PESTS IN 1913.

The cotton crop of 1913, in general, was less seriously affected by insect pests than the previous one, although certain large sections suffered more severely than ever before. With the exception of certain sections in northern Texas, where there was some recession in the territory invaded by the weevil, there was an advance all along the line, as compared with 1912. The limits of the territory infested are shown on the map on page 34. It is probable that both Georgia and Tennessee will be invaded by this pest in 1914.

Owing to the general dissemination of information by Federal and state departments of agriculture, the destructiveness of the boll weevil is being greatly reduced. By seed selection, plant improvement, and better methods of cultivation and fertilization, the development of the cotton plant may be so advanced before the activities of the weevil begin as to reduce very materially the damage that may be done by it.

The pink boll worm has caused great damage to Egyptian cotton within very recent years. This pest was imported into Egypt from India and appears to be very injurious to all varieties of cotton. Owing to the discovery of live pink boll worms in recent

importations of cotton seed intended for planting and raw cotton intended for spinning, the Department of Agriculture is now considering measures for the safeguarding of the culture in this country from its ravages. A number of methods have been proposed, among them being an embargo on the importation of Egyptian cotton and cotton seed; restriction of the use of Egyptian cotton to certain localities; and the destruction by burning of all picker waste in establishments where Egyptian cotton is used. Stringent regulations in the use of Egyptian cotton in this country will undoubtedly be made, while action to prevent admission of the pest will be thorough. A quarantine against the importation of cotton seed from Egypt and from Hawaii, where the pink boll worm is also found, has been established. This quarantine applies also to cotton seed produced in certain portions of Mexico and in some other countries infested by cotton pests of various kinds.

For the following statement concerning the status of the boll weevil and other insect pests which affect cotton in the United States, this office is indebted to the Bureau of Entomology of the Department of Agriculture:

The boll weevil.—The cotton boll weevil began the season in somewhat larger numbers than in 1912 and became exceedingly numerous and destructive in south Texas, southern and eastern Louisiana, and southern Mississippi. By reason of the climatic conditions of the winter of 1912-13, much of the territory on the central Black Prairie of Texas became free. The weevils were unable to make heavy inroads on this territory during the season of 1913 because of the intense heat. The dispersion began, as usual, in August, but was checked at an unusually early date by freezes which occurred from October 28 to 30 and from November 9 to 11. These freezes destroyed almost every vestige of food for the weevils and effectively stopped weevil development except in the coastal regions.

The territory invaded for the first time in 1913 included 22,800 square miles, but losses of territory in the north central part of Texas reduce this to a net increase in infested territory of 17,500 square miles. The total area now infested is 296,300 square miles.

One of the most interesting developments from the boll weevil situation was the discovery of a western race of this species breeding on a wild cotton in the mountain canyons of southeastern Arizona, which is capable of breeding in cultivated cotton. It occurs on its native food plant within a short distance of some of the new and growing irrigated cotton sections, and is, therefore, a menace to western cotton. This discovery was followed by experiments which have proven the ability of the boll weevil to sustain life and breed in the buds of one or two other plants nearly related to cotton. This adaptability of the insect may become a complicating factor in the future control of the species.

The cotton caterpillar.—The outbreak of the cotton caterpillar occurred a little later than in 1912 but the worms became generally distributed throughout the Southern states and were also present in the cotton plantings of Arizona. Considerable damage was done in south Texas.

Other injurious cotton insects.—There was a serious outbreak of the cotton boll worm in southeastern North Carolina. The red spider was not as injurious as in preceding years.

COTTON AND LINTERS REMAINING TO BE GINNED.

The special agents were required, at the March canvass, to obtain from each ginner a statement as to the number of bales of cotton remaining to be

ginned and from each cottonseed-oil mill the number of bales of linters to be obtained by reginning cotton seed after the date of the canvass. These amounts, which are included in the total production for the crop, are shown separately, by states, in Table 3, for the crops of 1911, 1912, and 1913.

TABLE 3.—Cotton to be ginned and linters to be obtained after the March canvass, by states: 1911 to 1913.

STATE.	COTTON AND LINTERS TO BE GINNED AFTER THE MARCH CANVASS (RUNNING BALES, COUNTING ROUND AS HALF BALES).					
	Cotton, crop of—			Linters, crop of—		
	1913	1912	1911	1913	1912	1911
United States.....	29,267	51,894	157,078	56,803	74,882	82,068
Alabama.....	504	1,192	4,878	4,702	2,507	7,299
Arkansas.....	5,809	3,553	23,080	3,594	4,107	4,431
Florida.....	15	44	163	66	-----	108
Georgia.....	1,684	1,555	16,517	13,943	6,802	14,354
Louisiana.....	668	191	1,778	2,057	2,794	2,356
Mississippi.....	4,002	11,001	17,512	8,172	5,443	5,389
North Carolina.....	7,758	3,072	27,943	5,779	4,656	7,419
Oklahoma.....	362	6,167	9,179	586	7,626	3,863
South Carolina.....	3,382	1,872	28,500	5,500	3,359	7,675
Tennessee.....	933	1,791	10,887	4,274	1,537	4,896
Texas.....	2,365	20,688	10,410	7,062	35,193	21,370
All other states.....	1,785	788	6,251	1,068	558	2,908

The quantity of cotton from the crop of 1913, which the ginner stated would be ginned after the date of the March canvass, was 29,267 bales. This is the smallest amount reported for any year covered by the table and reflects the early ginning of the crop. The quantity of linters remaining to be obtained by the oil mills, 56,803 bales, is also smaller than for the earlier years shown in the table.

PERIODICAL COTTON REPORTS.

During the season of 1914-15, as heretofore, practically semimonthly reports of cotton ginned will be issued. The dates to which the statistics of these reports will relate and the dates on which they are expected to be published are presented in the following schedule:

Ginning reports to be issued during the season of 1914-15.

REPORT NUMBER.	Date to which report relates (close of business).	Date of publication (10 a. m.).
1.....	August 31.....	September 8.
2.....	September 24.....	October 2.
3.....	October 17.....	October 26.
4.....	October 31.....	November 9.
5.....	November 13.....	November 21.
6.....	November 30.....	December 8.
7.....	December 12.....	December 21.
8.....	December 31.....	January 9.
9.....	January 15.....	January 23.
10.....	February 28.....	March 20.

The statistics in these reports show conditions at the close of business on the days to which the reports relate. For every report the canvassing agents are given approximately one week in which to visit the ginneries and secure the returns. Summaries showing the number of bales ginned to a specified date are telegraphed to the bureau on the last day of the canvass. On the following morning these summaries are added and the results given to the public at 10 o'clock.

At the time of telegraphing the summaries the agents are required to mail the individual returns of the ginners which they have collected and used in preparing these summaries. This method affords a valuable check on the statistics of the report, as the returns are examined and added in the bureau and necessary revisions made in the figures of the published preliminary reports.

Three reports of cotton seed crushed and linters produced will be collected during the season showing quantities to December 1, January 1, and for the crop. These reports will be forwarded to the bureau by mail and the results will be published about the 16th of the month.

There will also be monthly reports of cotton consumed, imported, exported, and on hand, and of active consuming cotton spindles. Each of these will relate to a calendar month and will be published about the 14th of the succeeding month. The data for these reports are gathered in the cotton-growing states by the local agents of the bureau who collect the ginning reports. In all other states the data are secured by correspondence, and, when necessary, by special agents detailed from the bureau.

DISTRIBUTION OF REPORTS.

Within a few hours after the information has been made public all preliminary reports are printed on preaddressed cards and mailed to all ginners, manufacturers, warehousemen, and cottonseed-oil manufacturers, and to all other persons who have requested them. This method of using preaddressed post cards

permits of a more rapid distribution than would otherwise be possible. During the past season an extension of this publicity service was made in that newspapers are now furnished with county totals of cotton ginned, thus providing interesting and valuable information to those most directly concerned. In addition, postmasters are provided with large cards showing the quantity of cotton ginned to each report date and instructed to post them in conspicuous places.

COTTON GINNED TO SPECIFIED DATES.

The collection of statistics of cotton ginned to specified dates was designed to place in the possession of all concerned reliable data as to the rapidity with which the cotton crop is being harvested and ginned. Statistics compiled by this method have, after a series of years, an incidental but very considerable value by reason of the deductions possible to a careful comparison of current reports with those of previous years. The collection of data of this character was inaugurated in 1902. Three reports were made for that crop, six each for the crops of 1903 and 1904, and ten for each crop since. Table 4 shows the quantity of cotton ginned to specified dates from the crops of 1902 to 1913, inclusive, and the percentage of the crop ginned to each report date. As it is not practicable, before the close of the season, to express in equivalent 500-pound bales statistics of the quantity of cotton ginned, the amounts in Table 4 are in running bales, counting round as half bales and excluding linters, and the total amounts for the seasons as thus obtained are used as the bases for the percentages shown in the table.

TABLE 4.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, AND THE PER CENT OF THE TOTAL GINNED TO EACH DATE: 1902 TO 1913.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

GROWTH YEAR.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
	QUANTITY (BALES).									
1913.....	799,099	3,246,655	6,973,518	8,830,396	10,444,529	12,088,412	12,927,428	13,347,721	13,582,036	13,982,811
1912.....	730,884	3,007,271	6,274,206	8,869,222	10,299,846	11,854,541	12,439,036	12,907,405	13,088,930	13,488,539
1911.....	771,297	3,676,594	7,758,021	9,970,905	11,313,236	12,816,307	13,770,727	14,317,002	14,515,790	15,559,073
1910.....	353,011	2,312,074	5,423,028	7,345,953	8,780,433	10,139,712	10,935,443	11,084,515	11,263,147	11,568,334
1909.....	388,242	2,568,150	5,530,967	7,017,849	8,112,199	8,376,880	9,358,085	9,047,327	9,787,592	10,072,731
1908.....	402,229	2,590,639	6,298,160	8,191,557	9,595,800	11,008,661	11,904,200	12,465,298	12,660,203	13,090,005
1907.....	200,278	1,532,603	4,420,253	6,128,662	7,300,665	8,343,398	9,284,070	9,951,505	10,339,551	11,037,822
1906.....	407,551	2,057,283	4,931,621	6,906,305	8,592,242	10,027,868	11,112,789	11,741,039	12,176,199	12,983,201
1905.....	476,655	2,355,716	4,990,568	6,457,595	7,501,180	8,689,663	9,297,819	9,725,426	9,989,034	10,484,105
1904.....	374,821	.....	0,417,894	.....	0,786,646	.....	11,971,477	.....	12,767,600	13,451,337
1903.....	17,302	.....	3,706,248	.....	6,815,162	.....	8,526,244	.....	9,485,537	9,819,969
1902.....	.....	.....	5,683,000	.....	.....	.....	8,905,505	.....	.....	10,588,250
	PER CENT OF TOTAL.									
1913.....	5.7	23.2	49.9	63.2	74.7	86.5	92.5	95.5	97.1	100.0
1912.....	5.4	22.3	51.0	65.8	76.4	87.9	92.2	95.7	97.0	100.0
1911.....	5.0	23.6	49.9	64.1	72.7	82.4	88.5	92.1	93.3	100.0
1910.....	3.1	20.0	46.9	63.5	75.9	87.7	92.5	95.8	97.3	100.0
1909.....	3.9	25.5	54.9	69.7	80.5	88.1	92.9	95.8	97.2	100.0
1908.....	3.1	19.8	48.1	62.6	73.3	84.1	91.0	95.3	96.8	100.0
1907.....	1.8	13.9	40.0	55.4	66.0	75.5	84.0	90.0	93.5	100.0
1906.....	3.1	15.8	38.0	63.2	65.9	77.2	85.6	90.4	93.8	100.0
1905.....	4.5	22.4	47.6	61.5	71.5	82.8	88.6	92.7	95.2	100.0
1904.....	2.8	.....	47.7	.....	72.8	.....	89.0	.....	94.9	100.0
1903.....	0.2	.....	37.7	.....	69.4	.....	86.8	.....	96.6	100.0
1902.....	.....	.....	53.7	.....	.....	.....	84.1	.....	.....	.....

The quantity of cotton ginned from the crop of 1913 prior to September 1 was 799,099 bales, the largest amount for any year since the inauguration of these reports by the Census Bureau, exceeding that of 1911, the next largest, by 27,802 bales. Almost one-half of the total crop was ginned prior to October 18. By November 14 almost three-fourths of the crop had been ginned. This is practically the same as the average for the years shown in the table, the highest percentage (80.5) being shown for 1909 and the lowest (65.9) for 1906.

Data as to the quantity of sea-island cotton ginned to specified dates are presented in Table 10, page 19, and similar data as to cotton put up in round bales are given in the following statement for the crops of 1909 to 1913:

Number of round bales included in reports of cotton ginned to specified dates: 1909 to 1913.

SPECIFIED DATE.	ROUND BALES GINNED TO SPECIFIED DATES: CROP OF—				
	1913	1912	1911	1910	1909
September 1.....	7,610	7,434	7,709	10,976	11,587
September 25.....	26,983	10,574	27,918	38,026	49,070
October 18.....	49,030	41,745	53,858	66,183	88,716
November 1.....	61,577	54,539	68,313	81,183	109,621
November 14.....	74,167	62,768	75,963	93,364	123,757
December 1.....	86,878	73,030	87,966	101,718	134,393
December 13.....	91,686	75,772	92,790	106,486	140,024
January 1.....	94,265	77,999	96,227	108,292	148,949
January 16.....	96,807	78,090	97,654	111,079	146,378
Total.....	99,902	81,528	101,554	112,887	150,690

Ginnings to specified dates, by states and by counties.—The quantity of cotton ginned to given dates from the crops of 1907 to 1913 and the percentage of the crop ginned to each of the report dates are shown, by states, in Tables 5 and 6. Considerable differences exist among the several states in the proportion of the total amount ginned to the specified dates. For instance, more than two-thirds of the total crop of Texas had been ginned by October 18, while Tennessee showed only a little more than one-third.

The quantity of cotton from the crop of 1913 ginned to each of the report dates is given by counties in Table 22 on pages 47 to 56. This table permits a close study of the rapidity with which cotton is ginned in various localities and enables the making of analyses which are both interesting and valuable. An examination of the table shows that, in a number of counties in southern Texas, a large part of the crop is harvested and ginned prior to September 1, and that by September 25 about 75 per cent of the crop is ginned, a few of the counties in the extreme southern part practically completing the harvesting of the crop by November 1.

An analysis of the periodical statistics of cotton ginned, as shown in Table 5, is presented in Table 7 (p. 16), which gives the number of bales of cotton ginned during each of the report periods, together with the corresponding percentages, for the crops of 1909 to 1913, inclusive.

COTTON PRODUCTION: 1913.

TABLE 5.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY STATES: 1907 TO 1913.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

STATE.	Growth year.	COTTON GINNED TO—									Total.
		Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
United States.....	1913	799,099	3,246,655	6,973,518	8,830,396	10,444,529	12,088,412	12,927,423	13,347,721	13,582,036	13,932,811
	1912	730,884	3,007,271	6,874,206	8,899,222	10,299,646	11,854,541	12,439,036	12,907,405	13,088,930	13,483,539
	1911	771,297	3,676,594	7,758,621	9,970,905	11,313,236	12,816,807	13,770,727	14,317,002	14,515,790	15,553,073
	1910	353,011	2,312,074	5,423,628	7,345,953	8,780,433	10,139,712	10,695,443	11,084,515	11,253,147	11,569,334
	1909	388,242	2,598,150	5,530,907	7,017,849	8,112,199	8,876,886	9,358,085	9,647,327	9,787,592	10,072,731
	1908	402,220	2,590,639	6,296,166	8,191,557	9,595,809	11,008,661	11,904,269	12,465,298	12,666,203	13,080,005
	1907	200,278	1,532,602	4,420,258	6,123,562	7,300,665	8,343,396	7,300,665	9,284,070	9,951,505	11,057,822
Alabama.....	1913	44,562	325,736	839,899	1,015,788	1,181,232	1,365,246	1,444,212	1,475,883	1,475,154	1,483,669
	1912	12,824	192,310	561,954	805,662	961,313	1,161,482	1,234,755	1,289,227	1,307,736	1,323,297
	1911	40,501	360,244	836,617	1,088,737	1,239,211	1,436,076	1,561,136	1,618,510	1,638,099	1,668,234
	1910	4,196	201,488	525,226	748,878	895,894	1,063,498	1,128,470	1,162,728	1,174,122	1,192,179
	1909	13,535	187,832	512,323	676,331	805,849	917,406	987,254	1,017,460	1,020,869	1,040,137
	1908	26,298	316,349	694,104	891,667	1,020,724	1,175,620	1,265,953	1,302,338	1,316,803	1,332,003
	1907	8,132	137,658	416,912	609,297	744,627	856,596	901,739	1,032,177	1,070,090	1,113,093
Arkansas.....	1913	1,293	70,086	322,181	431,522	606,388	789,937	885,979	933,913	967,687	1,038,293
	1912	81	41,438	300,351	440,482	547,644	659,505	703,329	732,118	741,262	770,937
	1911	170	43,626	278,238	444,401	569,115	680,434	746,802	785,329	797,597	908,014
	1910	28	22,319	161,363	324,760	479,122	625,226	676,259	724,100	747,325	798,156
	1909	449	83,926	330,884	472,252	577,857	613,939	642,322	657,357	664,522	697,003
	1908	323	80,465	347,468	536,785	668,232	770,461	847,312	910,423	931,133	996,093
	1907	75	10,133	163,371	291,143	388,528	484,181	572,418	626,551	666,810	751,851
Florida.....	1913	2,960	16,367	35,956	47,315	53,217	58,485	63,082	65,299	65,765	66,700
	1912	1,832	9,770	23,575	35,362	42,203	43,630	52,895	56,042	57,324	58,833
	1911	3,790	21,510	43,009	50,070	65,236	74,066	81,952	86,421	88,177	94,471
	1910	608	11,262	27,238	38,924	46,847	54,396	60,082	63,105	64,778	67,172
	1909	3,542	19,581	35,000	45,664	51,612	56,132	58,556	60,138	60,765	61,877
	1908	2,524	10,667	34,027	43,234	51,497	58,603	64,131	66,855	68,624	70,593
	1907	942	7,868	19,893	28,626	35,454	40,681	45,685	50,085	53,486	56,068
Georgia.....	1913	72,352	491,511	1,296,911	1,606,506	1,823,789	2,066,109	2,215,308	2,293,976	2,314,101	2,346,237
	1912	34,526	272,355	793,143	1,112,419	1,331,709	1,564,428	1,675,670	1,756,834	1,781,232	1,812,778
	1911	134,431	705,697	1,552,718	1,908,794	2,106,305	2,339,354	2,517,857	2,623,917	2,657,984	2,704,295
	1910	20,491	365,407	912,612	1,241,825	1,436,997	1,625,573	1,706,816	1,762,070	1,779,902	1,812,178
	1909	106,301	536,212	1,113,341	1,384,913	1,559,828	1,673,301	1,766,070	1,813,112	1,827,223	1,850,125
	1908	64,093	514,893	1,119,228	1,387,641	1,564,037	1,739,657	1,868,963	1,930,783	1,952,113	1,977,050
	1907	34,822	342,704	878,643	1,202,485	1,388,694	1,618,199	1,632,463	1,726,965	1,771,832	1,860,323
Louisiana.....	1913	7,449	77,865	164,034	222,464	276,271	342,383	391,454	410,614	420,384	430,865
	1912	1,724	73,992	203,127	261,701	300,482	343,323	361,123	366,402	369,076	374,793
	1911	8,120	89,069	170,904	232,245	269,548	313,624	340,304	352,503	367,758	380,826
	1910	1,101	45,799	113,770	154,634	183,818	217,956	233,347	240,170	242,677	246,788
	1909	3,460	62,616	143,677	188,112	217,433	238,675	248,643	252,188	253,927	258,459
	1908	4,618	79,042	207,992	287,885	341,953	394,018	435,603	453,210	458,762	466,543
	1907	756	45,750	180,720	280,144	351,241	424,433	501,612	560,780	598,439	662,032
Mississippi.....	1913	2,052	120,593	435,090	568,005	734,988	955,808	1,084,680	1,142,921	1,176,539	1,215,811
	1912	442	57,393	347,130	511,678	644,554	817,707	883,458	936,410	965,620	1,004,376
	1911	1,865	96,822	386,016	584,199	719,638	892,495	996,601	1,047,299	1,061,459	1,109,066
	1910	538	83,768	358,851	576,641	759,152	970,626	1,066,216	1,087,567	1,107,567	1,121,104
	1909	1,670	95,825	390,096	572,131	731,354	869,368	956,509	1,005,903	1,028,413	1,073,105
	1908	4,330	199,001	621,399	893,148	1,086,183	1,297,677	1,441,947	1,522,160	1,551,792	1,620,325
	1907	194	71,043	410,065	634,605	794,922	955,414	1,120,008	1,230,127	1,287,389	1,442,881
North Carolina.....	1913	177	49,952	252,193	384,260	493,360	622,369	708,598	759,800	783,817	837,995
	1912	674	101,683	356,226	496,537	627,251	754,569	819,662	857,189	876,493	906,351
	1911	1,245	156,390	438,266	597,940	716,200	828,660	913,944	975,223	996,988	1,126,076
	1910	4	46,051	250,141	386,096	494,920	616,637	664,722	702,150	718,405	753,087
	1909	1,070	80,498	265,040	370,891	466,797	535,653	581,954	605,603	615,529	633,746
	1908	101	89,063	276,222	373,713	451,434	554,346	615,736	647,505	651,669	683,628
	1907	43	40,388	216,104	326,979	399,050	468,447	523,257	565,207	591,851	637,061
Oklahoma.....	1913	5,106	148,979	391,258	536,303	666,736	764,225	789,782	804,313	825,069	842,499
	1912	272	77,390	398,345	599,190	725,006	869,278	902,329	947,452	965,552	1,005,109
	1911	4,255	116,328	396,739	554,933	657,497	783,989	862,838	900,409	915,563	1,016,538
	1910	398	110,530	421,625	585,237	727,654	829,387	868,561	895,925	905,051	919,842
	1909	1,370	134,377	329,429	412,631	476,471	505,584	514,535	525,610	532,803	552,678
	1908	8	5,705	132,556	217,629	322,051	431,054	494,984	585,010	612,144	669,345
	1907	16	31,422	240,210	373,508	484,657	598,723	685,595	742,042	782,790	848,977
South Carolina.....	1913	7,264	193,318	619,720	846,468	995,398	1,160,725	1,276,428	1,342,737	1,368,774	1,418,704
	1912	4,260	174,251	540,319	730,690	883,535	1,041,689	1,128,850	1,173,216	1,192,574	1,224,245
	1911	19,364	338,090	788,927	1,022,614	1,163,984	1,310,963	1,423,383	1,508,753	1,536,085	1,602,146
	1910	208	160,521	516,232	729,117	888,291	1,036,889	1,107,556	1,154,003	1,175,905	1,210,968
	1909	18,949	285,401	624,301	791,629	913,440	998,158	1,064,819	1,100,309	1,114,533	1,137,852
	1908	9,399	289,969	660,678	821,608	938,926	1,051,550	1,134,183	1,176,220	1,192,723	1,235,848
	1907	3,041	185,656	537,273	735,994	851,361	943,868	1,014,356	1,065,876	1,093,416	1,163,565
Tennessee.....	1913	9	18,359	131,933	174,379	233,603	304,467	340,685	354,324	358,275	365,786
	1912	-----	990	66,719	118,485	158,161	208,721	230,239	248,503	252,900	267,439
	1911	5	15,541	125,791	211,128	264,777	319,979	360,510	381,281	386,293	430,027
	1910	-----	1,602	57,769	129,840	192,213	249,927	269,670	289,290	298,615	321,103
	1909	4	17,152	101,250	148,670	183,529	206,207	221,465	226,791	228,915	240,757
	1908	6	28,109	131,073	198,783	243,493	279,654	302,627	317,010	321,727	334,084
	1907	-----	2,474	60,644	108,068	150,568	199,959	244,450	285,292	328,404	366,433
Texas.....	1913	655,871	1,727,639	2,451,279	2,950,444	3,313,443	3,572,105	3,627,160	3,664,496	3,715,418	3,773,024
	1912	674,249	2,002,975	3,229,621	3,709,725	4,020,989	4,314,821	4,368,915	4,461,746	4,509,220	4,645,309
	1911	557,544									

COTTON PRODUCTION: 1913.

TABLE 6.—PER CENT OF THE TOTAL COTTON GINNED TO SPECIFIED DATES, BY STATES: 1907 TO 1913.

[Based on figures given in Table 5.]

STATE.	Growth year.	PER CENT OF TOTAL COTTON GINNED TO—								
		Sept. 1.	Sept. 25.	Oct. 13.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.
United States.....	1913	5.7	23.2	49.9	63.2	74.7	86.5	92.5	95.5	97.1
	1912	5.4	22.3	51.0	65.8	76.4	87.9	92.2	95.7	97.0
	1911	5.0	23.6	49.9	64.1	72.7	82.4	88.5	92.1	93.3
	1910	3.1	20.0	46.9	63.5	75.9	87.7	92.5	95.8	97.3
	1909	3.9	25.5	54.9	69.7	80.5	88.1	92.9	95.8	97.2
	1908	3.1	19.8	48.1	62.6	73.3	84.1	91.0	95.3	96.8
	1907	1.8	13.9	40.0	55.4	66.0	75.5	84.0	90.0	93.5
Alabama.....	1913	3.0	22.0	56.6	68.5	79.6	92.0	97.3	98.9	99.4
	1912	1.0	14.5	44.6	61.0	72.4	87.4	93.0	97.1	98.5
	1911	2.4	21.2	49.5	64.2	73.1	84.7	92.1	95.5	96.7
	1910	0.4	16.9	44.1	62.8	75.1	89.2	94.7	97.5	98.5
	1909	1.3	18.1	49.3	65.0	77.5	88.2	94.9	97.8	98.7
	1908	2.0	23.7	52.2	66.9	76.6	88.3	95.0	97.8	98.9
	1907	0.7	12.4	37.5	54.7	66.9	77.0	86.4	92.7	96.1
Arkansas.....	1913	0.1	6.8	31.0	41.6	58.4	76.1	85.3	89.9	93.2
	1912	(1)	5.4	39.0	57.1	71.0	85.5	91.2	95.0	96.2
	1911	(1)	4.8	30.6	48.9	62.0	74.9	82.2	88.6	87.8
	1910	(1)	2.8	20.2	40.7	60.0	78.3	84.7	90.7	93.6
	1909	0.1	12.0	47.4	67.7	80.0	88.0	92.1	94.2	95.3
	1908	(1)	8.1	34.9	53.9	66.8	78.0	85.1	91.4	93.5
	1907	(1)	1.3	21.7	38.7	51.3	64.4	76.1	83.3	88.7
Florida.....	1913	4.4	24.5	53.9	70.9	79.8	87.7	94.6	97.9	98.6
	1912	3.1	16.6	40.1	60.1	71.8	82.7	89.9	95.3	97.4
	1911	4.0	22.8	45.5	59.4	69.1	78.4	86.7	91.5	93.3
	1910	0.9	16.8	40.5	57.9	69.7	81.0	89.4	93.9	96.4
	1909	5.7	31.6	56.6	73.8	83.4	90.7	94.6	97.2	98.2
	1908	3.6	23.6	48.2	61.2	72.9	83.0	90.8	94.7	97.2
	1907	1.7	13.9	35.1	50.5	62.6	71.8	80.6	88.4	94.4
Georgia.....	1913	3.1	20.9	55.3	68.5	77.7	88.1	94.4	97.8	98.6
	1912	1.9	15.0	43.8	61.4	73.5	86.3	92.4	96.9	98.3
	1911	4.8	27.4	55.6	68.3	75.4	83.7	90.1	93.9	95.1
	1910	1.1	20.2	50.4	68.5	79.3	89.7	94.2	97.2	98.2
	1909	5.7	29.0	60.2	74.9	84.3	90.4	95.5	98.0	98.8
	1908	3.3	26.0	56.6	70.2	79.1	88.0	94.5	97.7	98.7
	1907	1.9	18.4	47.2	64.6	74.6	81.6	87.8	92.8	95.2
Louisiana.....	1913	1.7	17.8	37.5	50.9	63.2	78.4	89.6	94.0	96.2
	1912	0.5	19.7	54.2	69.8	80.2	91.0	96.4	97.8	98.5
	1911	2.1	23.4	46.5	61.0	70.8	82.4	89.4	92.6	93.9
	1910	0.4	18.6	46.1	62.7	74.5	88.3	94.6	97.3	98.3
	1909	1.3	24.2	55.7	72.8	84.1	92.3	96.2	97.6	98.2
	1908	1.0	16.9	44.6	61.7	73.3	84.6	93.4	97.1	98.3
	1907	0.1	6.9	27.3	42.3	53.1	64.1	75.8	84.7	90.4
Mississippi.....	1913	0.2	9.6	34.8	45.4	58.7	76.4	86.6	91.3	94.0
	1912	(1)	5.6	34.5	50.9	64.2	81.4	88.0	93.2	94.8
	1911	0.2	8.3	33.0	50.0	61.6	76.3	85.2	89.6	90.8
	1910	(1)	6.9	29.6	47.6	62.6	80.1	88.0	93.4	95.5
	1909	0.2	9.0	36.4	53.3	68.2	81.0	89.1	93.7	95.8
	1908	0.3	12.3	38.4	55.1	67.0	80.1	89.0	93.9	95.8
	1907	(1)	4.9	28.4	44.0	55.1	66.2	77.7	85.3	89.2
North Carolina.....	1913	(1)	6.0	30.1	45.9	58.9	74.3	84.6	90.7	93.5
	1912	0.1	11.2	39.3	54.8	69.2	83.3	90.4	94.6	96.6
	1911	0.1	13.9	38.9	53.1	63.6	73.6	81.1	86.5	88.5
	1910	(1)	6.1	33.2	51.3	65.7	81.7	88.3	93.2	95.4
	1909	0.2	12.7	40.2	53.5	73.7	84.5	91.8	95.6	97.1
	1908	(1)	13.0	40.4	54.7	66.0	81.1	90.1	94.7	96.8
	1907	(1)	6.3	33.9	51.3	62.6	73.4	82.0	88.6	92.8
Oklahoma.....	1913	0.6	17.7	46.4	63.7	79.1	90.7	93.7	95.5	97.9
	1912	(1)	7.7	39.6	59.6	72.1	86.5	89.8	94.3	96.1
	1911	0.4	11.4	39.0	54.6	64.7	77.1	84.9	88.6	90.1
	1910	(1)	12.0	45.8	63.6	79.1	90.2	94.4	97.4	98.4
	1909	0.2	24.3	59.6	74.7	86.2	91.5	93.1	95.1	96.4
	1908	(1)	0.8	19.2	31.6	46.7	62.5	71.8	84.9	88.8
	1907	(1)	3.7	28.3	44.0	57.1	70.5	80.8	87.4	92.2
South Carolina.....	1913	0.5	13.6	43.7	59.7	70.2	81.8	90.0	94.6	96.5
	1912	0.3	14.2	44.1	59.7	72.2	85.1	92.2	95.8	97.4
	1911	1.1	20.0	46.6	60.4	68.8	77.5	84.1	89.2	90.8
	1910	(1)	13.3	42.6	60.2	73.4	85.6	91.5	95.3	97.1
	1909	1.7	25.1	54.9	69.6	80.3	87.8	93.6	96.7	98.0
	1908	0.8	23.8	54.3	67.6	77.2	86.5	93.3	96.7	98.1
	1907	0.3	16.0	46.2	63.3	73.2	81.1	87.2	91.6	94.0
Tennessee.....	1913	(1)	5.0	36.0	47.5	63.7	83.0	92.9	96.6	97.7
	1912	(1)	0.4	24.9	44.3	59.1	78.0	86.1	92.9	94.6
	1911	(1)	3.6	29.3	49.1	61.6	74.4	83.8	88.7	89.8
	1910	(1)	0.5	18.0	40.4	59.9	77.8	84.0	90.1	93.0
	1909	(1)	7.1	42.1	61.8	76.2	85.7	92.0	94.2	95.1
	1908	(1)	8.4	39.2	59.5	72.9	83.7	90.6	94.9	96.3
	1907	(1)	0.9	22.8	40.6	52.5	66.5	76.7	84.6	89.5
Texas.....	1913	17.4	45.8	65.0	78.2	87.8	94.7	96.1	97.1	98.5
	1912	14.5	43.1	69.5	79.9	86.6	92.9	94.0	96.0	97.1
	1911	13.6	40.6	65.7	78.2	84.6	91.3	94.0	95.6	96.5
	1910	11.0	42.8	70.2	81.5	89.4	94.7	96.6	97.9	98.8
	1909	9.6	43.0	67.8	77.8	85.2	89.6	91.6	94.3	96.3
	1908	8.0	26.6	56.5	69.0	78.9	88.0	92.9	96.1	97.3
	1907	6.9	29.8	58.4	69.0	77.2	83.8	90.1	94.7	97.2
All other states ²	1913	(1)	5.2	27.0	39.1	54.9	72.0	83.2	89.4	92.4
	1912	(1)	3.0	26.3	48.1	63.0	78.1	86.4	91.3	93.1
	1911	(1)	3.9	24.0	42.0	53.3	64.2	74.3	79.4	82.2
	1910	(1)	0.1	10.1	29.3	45.8	66.6	76.1	83.7	88.2
	1909	(1)	3.8	34.6	59.9	76.0	85.6	92.2	94.9	96.5
	1908	(1)	6.5	32.3	50.0	63.9	76.6	87.4	92.7	95.3
	1907	(1)	0.2	15.5	31.5	42.5	57.7	68.7	77.7	85.5

¹ Less than one-tenth 1 of per cent.

² Includes Arizona, California, Kansas, Kentucky, Missouri, New Mexico, and Virginia.

COTTON PRODUCTION: 1913.

TABLE 7.—QUANTITY OF COTTON AND PERCENTAGE OF THE TOTAL GINNED DURING EACH PERIOD BETWEEN REPORT DATES: CROPS OF 1909 TO 1913.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

PERIOD.	1913		1912		1911		1910		1909	
	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.	Quantity (bales).	Per cent of total.
Total.....	13,982,811	100.0	13,488,539	100.0	15,553,073	100.0	11,568,334	100.0	10,072,731	100.0
Prior to Sept. 1.....	799,099	5.7	730,884	5.4	771,297	5.0	353,011	3.1	388,242	3.9
Sept. 1 to Sept. 25.....	2,447,556	17.5	2,276,387	16.9	2,905,237	18.7	1,959,063	16.9	2,179,008	21.6
Sept. 25 to Oct. 18.....	3,726,363	26.6	3,866,935	28.7	4,082,027	26.2	3,111,554	26.9	2,962,817	29.4
Oct. 18 to Nov. 1.....	1,856,878	13.3	1,995,016	14.8	2,212,284	14.2	1,922,325	16.6	1,486,882	14.8
Nov. 1 to Nov. 14.....	1,614,133	11.5	1,430,424	10.6	1,342,331	8.6	1,434,480	12.4	1,094,350	10.8
Nov. 14 to Dec. 1.....	1,643,883	11.8	1,554,895	11.5	1,503,571	9.7	1,359,279	11.7	764,687	7.6
Dec. 1 to Dec. 13.....	839,016	6.0	584,495	4.3	953,920	6.1	555,731	4.8	481,199	4.8
Dec. 13 to Jan. 1.....	420,293	3.0	468,369	3.5	549,275	3.5	389,072	3.4	289,242	2.9
Jan. 1 to Jan. 16.....	234,315	1.7	181,525	1.3	198,797	1.3	168,632	1.5	140,265	1.4
After Jan. 15.....	400,775	2.9	399,609	3.0	1,037,274	6.7	315,187	2.7	285,139	2.8

The period from September 25 to October 18 shows the largest ginnings for each of the years given in the table. This is to be expected, however, inasmuch as this period covers 23 days during a time of great activity in the harvesting of cotton, while most of the other periods are shorter. In 1913, 26.6 per cent of the total crop was ginned during this period, as compared with 28.7 per cent in 1912, 26.2 per cent in 1911, 26.9 per cent in 1910, and 29.4 per cent in 1909. The variations in the proportion of the total ginned during the period from November 1 to November 14 are rather pronounced, the percentages ranging from 8.6 in 1911 to 12.4 in 1910. The quantity ginned during any period is obviously affected by the weather conditions and by the size of the crop.

AVERAGE WEIGHT OF BALE.

Some ginners do not weigh the baled cotton turned out from their establishments, and some of those who do so fail to keep permanent records. In view of this condition, and of the necessity of securing local weights in order to reduce the statistics to a uniform bale weight, so as to credit each county with its proper proportion of the crop, the bureau requires its canvassing agents to secure bale weights from local weighers, merchants, and other handlers of cotton. The statistics in Table 8 have been compiled from these data and should constitute a very reliable record. This table shows, by states, for the crops of 1909 to 1913, the average gross weight of upland square, upland round, sea-island, and linter bales, and the number of square bales for which weights were returned to the bureau, with their total weight in pounds.

The number of square bales for which weights were returned to the bureau in 1913 was 7,772,225, or more than one-half of the total number ginned during the season. The bale weights were returned in two instalments, with the reports of cotton ginned to November 1 and to January 1. Since weights are secured for bales ginned in different periods, the figures are representative of the varying conditions of the season and contribute to the reliability of the averages. Because of the variation throughout the season in

the weights of the bales pressed, it is not possible to arrive at a reliable average for the crop before the season's ginning is practically completed. Weights of sea-island and of upland round bales were secured by the agents from the handlers of such cotton, and from these data were computed the average weights for round and sea-island bales. The average weights of the linter bales were computed from returns secured from the operators of cottonseed-oil mills.

Method of computing average bale weights.—To obtain the average bale weights for a state, the average weights in pounds of the square, the round, and the sea-island bales weighed in each county were first multiplied separately by the numbers of bales of the respective kinds reported as ginned in the county. The several products thus obtained constituted the totals for the county. The county totals for the different kinds of bales were added separately to obtain the corresponding state totals, which were then divided, respectively, by the number of bales of the several kinds ginned in the state to obtain the average weight of each kind of bale. By deducting from the sum of the different kinds of bales one-half of the number of round bales, the divisor for finding the average weight of the bale, counting round as half bales, was obtained. The average bale weight for the crop of 1913, thus computed, counting round as half bales and excluding linters, is 506.2 pounds gross, as compared with 508 pounds for 1912, 504.5 pounds for 1911, and 501.7 pounds for 1910. The variation in the average weight of bale for upland cotton put up in square packages is pronounced throughout the cotton belt, the averages ranging from less than 430 pounds for a number of counties in Georgia and North Carolina to 560 pounds for counties in Mississippi and Texas. For the states shown separately in the table the range is from 472.9 pounds in North Carolina to 522.9 pounds in Texas. These variations are due to a number of causes, the principal one, no doubt, being the practice of putting in one package the lint obtained from a single load of seed cotton, the quantity of seed cotton in a load depending upon capacity of wagons, character of roads, local customs, price of cotton, etc.

TABLE 8.—AVERAGE GROSS WEIGHT OF THE SEVERAL KINDS OF BALES AND NUMBER AND GROSS WEIGHT OF SQUARE BALES FOR WHICH WEIGHTS WERE RETURNED, BY STATES: 1909 TO 1913.

STATE.	Growth year.	AVERAGE GROSS WEIGHT OF BALE (POUNDS).					SQUARE BALES FOR WHICH WEIGHTS WERE RETURNED.	
		Counting round as half bales.	Cotton.		Sea-island.	Linters.	Number.	Gross weight (pounds).
			Upland.					
			Square.	Round.				
United States.....	1913	506.2	506.9	251.4	384.7	506.1	7,772,225	3,931,370,190
	1912	508.0	508.7	253.9	381.9	506.0	7,326,923	3,712,983,736
	1911	504.5	505.3	250.4	399.7	500.6	7,899,832	3,951,510,387
	1910	501.7	502.6	249.4	393.3	499.3	6,191,522	3,106,196,000
	1909	496.6	497.7	246.6	384.4	494.6	5,379,824	2,675,326,661
Alabama.....	1913	504.0	503.9	257.0	.....	500.9	873,197	439,509,807
	1912	505.3	505.3	241.9	.....	504.1	794,048	401,236,388
	1911	506.3	506.3	247.2	.....	499.9	871,926	442,181,697
	1910	500.9	500.9	243.0	.....	499.8	651,927	326,757,378
	1909	492.4	492.5	241.4	.....	503.3	527,685	259,236,455
Arkansas.....	1913	516.6	516.6	258.1	.....	516.9	592,931	305,967,413
	1912	513.7	513.7	261.6	.....	515.0	478,808	245,221,337
	1911	517.2	517.2	254.0	.....	518.0	470,847	242,543,037
	1910	514.5	514.4	259.9	.....	510.9	448,929	229,111,985
	1909	511.4	511.4	256.1	.....	502.6	451,368	230,477,880
Florida.....	1913	440.0	488.7	.....	361.3	459.5	31,387	15,404,229
	1912	448.4	496.1	.....	370.4	453.2	32,364	16,065,829
	1911	441.3	492.5	.....	375.4	432.9	34,664	17,148,143
	1910	438.8	482.6	.....	382.6	435.0	32,114	15,645,860
	1909	436.4	489.7	.....	372.6	441.8	17,554	8,494,545
Georgia.....	1913	493.7	495.4	.....	404.1	491.7	1,353,200	670,356,223
	1912	490.0	492.4	.....	393.6	491.6	1,053,577	519,326,762
	1911	495.4	497.5	.....	417.0	479.8	1,340,461	667,167,970
	1910	487.6	489.7	.....	409.3	479.1	1,015,455	497,987,815
	1909	487.5	490.1	.....	400.2	475.9	942,034	463,364,220
Louisiana.....	1913	508.0	508.1	242.0	.....	512.5	290,828	147,703,664
	1912	501.7	501.8	240.5	.....	513.1	277,460	139,974,808
	1911	505.0	505.0	243.2	.....	507.8	281,358	143,373,415
	1910	497.7	497.8	243.3	.....	526.0	183,599	91,600,361
	1909	490.2	490.1	249.6	.....	506.7	233,103	115,176,185
Mississippi.....	1913	523.5	523.5	.....	.....	532.0	567,093	295,057,200
	1912	520.9	520.9	.....	.....	529.3	499,896	259,014,266
	1911	514.7	514.7	.....	.....	521.6	533,081	273,552,560
	1910	520.9	520.9	.....	.....	519.8	593,732	307,431,322
	1909	504.7	504.7	.....	.....	513.2	502,017	253,034,840
North Carolina.....	1913	472.9	472.9	.....	.....	476.0	423,356	200,763,779
	1912	477.5	477.5	.....	.....	468.7	430,424	205,583,615
	1911	477.6	477.6	.....	.....	480.3	486,697	233,204,482
	1910	468.8	468.8	.....	.....	477.9	352,844	166,081,698
	1909	473.9	473.9	.....	.....	463.2	332,169	157,216,110
Oklahoma.....	1913	498.7	498.7	250.7	.....	530.2	632,065	314,913,462
	1912	508.0	508.1	251.5	.....	527.3	561,359	284,635,940
	1911	502.7	502.9	248.2	.....	519.9	566,066	284,572,432
	1910	501.8	501.9	246.8	.....	497.0	522,686	262,597,301
	1909	493.0	493.4	238.9	.....	499.3	375,080	185,547,472
South Carolina.....	1913	485.6	486.4	.....	356.7	483.2	768,771	373,281,653
	1912	482.8	483.6	.....	348.7	480.5	794,263	383,505,671
	1911	487.2	487.6	.....	350.6	477.9	1,245,555	605,542,193
	1910	480.4	481.7	.....	358.8	480.7	710,164	341,724,236
	1909	483.5	485.3	.....	350.7	484.4	600,954	319,100,925
Tennessee.....	1913	517.3	517.3	.....	.....	515.4	195,753	101,186,497
	1912	517.0	517.0	.....	.....	521.4	154,062	79,847,517
	1911	522.9	522.9	.....	.....	510.3	220,624	115,463,393
	1910	516.9	516.9	.....	.....	531.4	170,407	88,747,883
	1909	512.2	512.2	.....	.....	517.8	147,125	75,549,064
Texas.....	1913	522.8	522.9	250.2	.....	509.4	1,958,516	1,023,227,445
	1912	525.3	525.3	262.5	.....	506.8	2,180,044	1,142,736,945
	1911	518.2	518.2	253.2	.....	501.9	1,696,179	878,447,007
	1910	516.9	517.0	251.4	.....	500.5	1,451,812	749,677,286
	1909	510.8	511.1	249.2	.....	496.1	1,139,320	582,331,542
All other states.....	1913	512.1	512.1	.....	.....	519.1	85,128	43,998,318
	1912	507.9	507.9	.....	.....	520.3	70,558	35,834,658
	1911	517.8	517.8	.....	.....	531.1	92,374	48,314,058
	1910	498.8	498.8	250.0	.....	527.6	57,853	28,832,875
	1909	500.0	500.0	.....	.....	514.8	51,415	25,797,423

Disparity between census and export bale weights.—The average weight of the bales exported during the six months ending February 28, 1914, was 520.1 pounds, which is 13.9 pounds greater than the average for the crop of 1913, as computed from the returns of

bale weights received by the bureau. This variation may be due to a number of reasons. The census figures relate approximately to the entire crop, but those of exports to a six-months' period, and, since the weight of the bale becomes less toward the close

COTTON PRODUCTION: 1913.

of the season, the average weight of the export bale as given is likely to be greater than the average weight of the total quantity exported for the entire year.

Another reason is that the states which contribute the larger portion of the export cotton are those which put up the heaviest bales. The average weight of the bale for the states of Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas, which furnished much the larger part of the export cotton, was 518.3

pounds, while that for the states of Alabama, Georgia, North Carolina, and South Carolina, which contributed most largely to the domestic consumption, was 491.4 pounds.

PRODUCTION IN POUNDS.

The statistics for the gross weight of cotton and linters from the crops of 1909 to 1913, expressed in pounds, are shown, by states, in Table 9.

TABLE 9.—GROSS WEIGHT OF LINT COTTON AND LINTERS PRODUCED, BY STATES: 1909 TO 1913.

STATE.	Growth year.	GROSS WEIGHT OF COTTON AND LINTERS PRODUCED (POUNDS).				
		Lint cotton.				Linters.
		Total.	Upland.		Sea-island bales.	
			In square bales.	In round bales.		
United States.....	1913	7,078,240,000	7,023,270,000	25,130,000	29,840,000	319,440,000
	1912	6,851,710,000	6,802,830,000	20,700,000	28,180,000	304,800,000
	1911	7,846,350,000	7,773,230,000	25,430,000	47,690,000	278,790,000
	1910	5,804,310,000	5,740,610,000	28,160,000	35,540,000	198,530,000
	1909	5,002,470,000	4,928,880,000	37,150,000	36,440,000	155,220,000
Alabama.....	1913	747,740,000	744,830,000	2,910,000	.....	26,980,000
	1912	671,140,000	668,900,000	2,240,000	.....	19,580,000
	1911	858,270,000	855,150,000	3,120,000	.....	20,340,000
	1910	597,130,000	594,340,000	2,790,000	.....	14,520,000
	1909	512,170,000	507,430,000	4,740,000	.....	12,720,000
Arkansas.....	1913	536,420,000	535,030,000	1,390,000	.....	21,030,000
	1912	396,020,000	395,380,000	640,000	.....	17,550,000
	1911	469,650,000	468,910,000	740,000	.....	16,500,000
	1910	410,610,000	409,600,000	1,010,000	.....	13,320,000
	1909	356,730,000	355,120,000	1,610,000	.....	10,310,000
Florida.....	1913	29,350,000	20,100,000	.....	9,250,000	1,200,000
	1912	26,380,000	18,110,000	.....	8,270,000	640,000
	1911	41,690,000	26,200,000	.....	15,490,000	850,000
	1910	29,470,000	18,220,000	.....	11,250,000	550,000
	1909	27,000,000	16,510,000	.....	10,490,000	470,000
Georgia.....	1913	1,158,300,000	1,140,800,000	.....	17,500,000	54,400,000
	1912	888,270,000	871,050,000	.....	17,220,000	37,460,000
	1911	1,384,310,000	1,353,910,000	.....	30,400,000	38,590,000
	1910	883,600,000	863,980,000	.....	19,620,000	26,710,000
	1909	902,010,000	881,170,000	.....	20,840,000	24,630,000
Louisiana.....	1913	221,910,000	221,490,000	420,000	.....	11,180,000
	1912	188,050,000	187,760,000	290,000	.....	9,200,000
	1911	192,300,000	191,800,000	500,000	.....	9,440,000
	1910	122,830,000	121,950,000	880,000	.....	5,040,000
	1909	126,710,000	124,530,000	2,180,000	.....	5,630,000
Mississippi.....	1913	655,370,000	655,370,000	.....	.....	32,330,000
	1912	523,210,000	523,210,000	.....	.....	23,940,000
	1911	601,770,000	601,770,000	.....	.....	24,360,000
	1910	631,340,000	631,340,000	.....	.....	21,990,000
	1909	541,610,000	541,610,000	.....	.....	18,730,000
North Carolina.....	1913	396,270,000	396,270,000	.....	.....	16,660,000
	1912	432,830,000	432,830,000	.....	.....	13,470,000
	1911	537,910,000	537,910,000	.....	.....	14,460,000
	1910	353,070,000	353,070,000	.....	.....	10,350,000
	1909	300,300,000	300,300,000	.....	.....	7,480,000
Oklahoma.....	1913	420,190,000	409,910,000	10,280,000	.....	20,430,000
	1912	510,620,000	499,660,000	10,960,000	.....	27,430,000
	1911	511,050,000	501,620,000	9,430,000	.....	20,410,000
	1910	461,530,000	454,530,000	7,000,000	.....	17,950,000
	1909	272,480,000	265,830,000	6,650,000	.....	10,550,000
South Carolina.....	1913	688,910,000	685,820,000	.....	3,090,000	22,510,000
	1912	591,960,000	588,370,000	.....	2,690,000	17,070,000
	1911	824,360,000	822,560,000	.....	1,800,000	17,690,000
	1910	581,750,000	577,080,000	.....	4,670,000	14,210,000
	1909	549,980,000	544,870,000	.....	5,110,000	13,040,000
Tennessee.....	1913	189,740,000	189,740,000	.....	.....	17,870,000
	1912	138,270,000	138,270,000	.....	.....	11,620,000
	1911	224,870,000	224,870,000	.....	.....	14,700,000
	1910	165,980,000	165,980,000	.....	.....	8,760,000
	1909	123,320,000	123,320,000	.....	.....	6,540,000
Texas.....	1913	1,972,490,000	1,962,360,000	10,130,000	.....	89,760,000
	1912	2,440,110,000	2,433,540,000	6,570,000	.....	123,320,000
	1911	2,128,210,000	2,116,570,000	11,640,000	.....	95,610,000
	1910	1,524,710,000	1,508,300,000	16,410,000	.....	61,540,000
	1909	1,261,400,000	1,239,430,000	21,970,000	.....	42,350,000
All other states ¹	1913	61,550,000	61,550,000	.....	.....	5,090,000
	1912	45,750,000	45,750,000	.....	.....	3,520,000
	1911	71,960,000	71,960,000	.....	.....	5,790,000
	1910	42,290,000	42,220,000	70,000	.....	3,590,000
	1909	28,760,000	28,760,000	.....	.....	2,770,000

¹ Includes Arizona, California, Kansas, Kentucky, Missouri, New Mexico and Virginia, and linters of mills in Illinois.

The statistics in Table 9 have been computed to represent the weight of baled cotton and linters just as they are bought and sold. The weight of the wrapping and bands of the bales are estimated to average 22 pounds for upland square bales, 3 for upland round, and 10 for sea-island. The total tare for the cotton crop of 1913, computed with these figures as a basis, amounts to 305,890,000 pounds, leaving as the net quantity of lint cotton produced 6,772,350,000 pounds. The tare for linters amounted to 13,890,000 pounds, and the net weight of linters to 305,550,000 pounds.

The proportion of the cotton crop of 1913 put up in round bales is four-tenths of 1 per cent, as compared with 4.7 per cent in 1902. For the crop of 1902 round-bale presses were operated in 12 states, while for that of 1913 they were operated in only 5 states, namely, Alabama, Arkansas, Louisiana, Oklahoma, and Texas.

LONG-STAPLE COTTON.

The limited supply of cotton having a long staple and the world-wide demand for cotton of this character for use in the manufacture of thread and the higher grade fabrics has given such varieties an importance out of proportion to the amount produced. While at one time the long-fiber sea-island cotton

grown in the West Indies provided a large proportion of the total cotton used in Europe, the world's production of this variety at the present time is comparatively insignificant, averaging less than 100,000 bales per annum. The quantity of long-fiber cotton produced in Egypt is less than a million and a half bales each year, and the quantity of upland cotton with a staple of $1\frac{3}{8}$ inches or more in length produced in the United States is not much in excess of 350,000 bales. Long-staple cotton is also produced in comparatively small quantities in India, Brazil, Peru, and several other countries. Altogether the total of long-staple cotton—that is, cotton having a fiber $1\frac{3}{8}$ inches or more in length—produced throughout the world from the crop of 1913 did not in all probability exceed 2,000,000 bales, which is less than one-tenth of the aggregate quantity produced. As stated above, great interest attaches to cotton of this character, and statistics more or less in detail are presented regarding its cultivation in the United States.

Sea-island cotton.—Table 10 is a comparative statement, by states, showing the quantity of sea-island cotton ginned in the United States from the crops of 1909 to 1913, the average gross weight of the bales, and the quantity ginned to specified dates during these years.

TABLE 10.—SEA-ISLAND COTTON—PRODUCTION, AVERAGE GROSS WEIGHT OF BALE, AND QUANTITY GINNED TO SPECIFIED DATES, BY STATES: 1909 TO 1913.

STATE.	Growth year.	PRODUCTION.		Average gross weight of bale (pounds).	COTTON GINNED TO (RUNNING BALES)—								
		Bales (number).	Total gross weight (pounds).		Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.
United States.....	1913	77,563	29,840,000	384.7	436	10,570	31,139	42,804	51,950	61,049	69,520	74,320	76,277
	1912	73,777	28,180,000	381.9	232	3,051	15,960	28,887	40,359	51,275	60,445	67,257	70,758
	1911	119,293	47,690,000	399.7	546	11,807	40,303	56,563	71,204	87,566	98,035	105,988	109,867
	1910	90,368	35,540,000	393.3	218	7,004	25,691	40,504	52,631	66,696	75,228	82,432	86,424
	1909	94,791	36,440,000	384.4	1,236	13,832	36,482	55,237	68,495	77,591	85,177	89,611	92,191
Florida.....	1913	25,587	9,250,000	361.3	140	4,049	12,259	16,356	19,542	22,207	24,126	25,166	25,368
	1912	22,334	8,270,000	370.4	167	1,690	6,976	11,067	15,052	17,826	19,505	21,085	21,918
	1911	41,270	15,490,000	375.4	233	4,381	15,110	21,038	26,818	32,350	35,585	38,091	39,340
	1910	29,417	11,250,000	382.6	120	2,988	10,098	15,191	19,669	23,663	25,854	27,646	28,790
	1909	28,158	10,490,000	372.6	631	6,133	14,534	19,740	23,453	25,905	26,870	27,532	27,888
Georgia.....	1913	43,305	17,500,000	404.1	295	6,443	17,868	24,570	29,355	34,346	39,014	41,768	42,650
	1912	43,736	17,220,000	393.6	64	1,258	8,148	16,276	22,873	29,756	35,418	39,543	41,529
	1911	72,904	30,400,000	417.0	313	7,405	24,453	33,841	41,430	51,498	58,008	63,039	66,577
	1910	47,935	19,620,000	409.3	95	3,993	14,386	22,490	28,088	35,405	39,725	43,636	46,441
	1909	52,060	20,840,000	400.2	604	7,049	19,931	31,277	38,825	43,164	47,564	49,944	51,072
South Carolina.....	1913	8,671	3,090,000	356.7	1	78	1,012	1,878	3,053	4,496	6,380	7,386	8,261
	1912	7,707	2,690,000	348.7	1	103	836	1,544	2,464	3,693	5,522	6,629	7,313
	1911	5,119	1,800,000	350.6	.....	21	740	1,684	2,656	3,810	4,442	4,798	4,950
	1910	13,016	4,670,000	358.8	3	23	1,207	2,823	4,874	7,028	9,649	11,150	12,193
	1909	14,573	5,110,000	350.7	1	50	2,017	4,220	6,217	8,522	10,743	12,135	13,231

The sea-island crop of 1913 amounted to 77,563 bales, or 29,840,000 pounds gross weight. While slightly larger than the preceding crop, it was one of the smallest produced since the inauguration of the ginning reports of this bureau in 1899. More than one-half of the total crop of sea-island cotton in 1913 was ginned prior to November 1, and 78.7 per cent prior to December 1.

The ginning of sea-island cotton in the three producing states from the crop of 1913 was confined to 38 counties, comprising 15 counties in Florida, 21 in

Georgia, and 2 in South Carolina. It was not grown, however, in all parts of the counties from which it was returned, in some instances only a small proportion of the total production of cotton being sea-island. The distribution of the crop by counties for the last five years will be found in Table 20, and the localities producing it in 1913 are represented on the map on page 34. It might be presumed that the high prices received for this cotton would cause a large increase in the acreage, but attempts to grow it in other parts of these states and in other states have been so unsatis-

factory that practically all efforts to raise it outside of certain well-defined areas in the states named have been abandoned. Recent experiments in the growing of this cotton have been made in Plaquemines Parish, La., and a few bales were produced there in 1911, 1912, and 1913.

The best sea-island cotton produced in the United States is grown on the islands off the coast of South Carolina by planters who have, for many years, paid the most careful attention to seed selection. The fiber produced is long and fine, and it is harvested and handled with such care that the cotton commands a very high price. Growers who raise sea-island cotton in the interior must secure new seed from the coast region frequently in order to preserve the quality of the fiber, which degenerates rapidly into upland fiber when grown away from the coast. Aside from the difficulties presented by soil and climatic conditions, there are obstacles in the way of extending this culture beyond the present limits. Among these are: (1) Lack of proper experience in new territory in cultivating, harvesting, and handling; (2) objection to the small and partially closed sea-island bolls on the part of pickers accustomed to upland varieties, notwithstanding the fact that they receive more for picking sea-island cotton than for picking upland cotton; (3) the necessity of using roller gins for sea-island cotton, since saws injure the fiber; and (4) the disadvantage of selling sea-island cotton in a market where the buyers are unaccustomed to it.

The average quantity of sea-island cotton produced each year is equivalent to about 75,000 bales of 500 pounds each. Of this amount, about 25,000 bales are exported and 50,000 bales are consumed in this country.

The sea-island cotton now being grown in the West Indies is said to surpass the average American product, and competes with that grown in South Carolina rather than with the less valuable varieties grown in Florida and Georgia; however, the total exports of sea-island cotton from the British West Indies for the year ending September 30, 1913, were only 4,309 bales of 500 pounds each.

Egyptian cotton.—The fiber of Egyptian cotton is not so strong nor so fine as that of sea-island, but it is nevertheless, quite strong and of uniform length. It is prepared for market more carefully than most of the American fiber, and, being freer from waste, is more satisfactory on that account to the manufacturer. The imports of Egyptian cotton into the United States during the year ending August 31, 1913, amounted to 191,075 bales of 500 pounds each. The demand for Egyptian cotton by American manufacturers has led to efforts to grow in the United States cotton having these characteristics, and much encouragement has been given the movement by the success attending the crop of 1913 in Arizona.

The status of the cultivation of Egyptian varieties of cotton in this country is presented in the following statement, compiled from information furnished by the Department of Agriculture:

The production of Egyptian cotton in Arizona increased from 280 bales in 1912 to about 2,200 bales in 1913. It is grown chiefly in the Salt River Valley, where approximately 3,500 acres were devoted to the crop of 1913. Under proper cultivation and irrigation the yields were exceedingly satisfactory, averaging, under favorable conditions, rather more than 1 bale per acre. Farmers who had had previous experience in growing cotton and whose land was old and fertile, in some instances obtained yields of $1\frac{1}{4}$ and $1\frac{1}{2}$ bales per acre. The excellent character of this cotton has been recognized both by domestic and English spinners, and the prices received for the crop were such as to indicate that this cotton will remain one of the principal crops of the Salt River Valley.

It is the policy of the department in attempting to establish the culture of new and improved varieties of cotton to distribute the seed only in communities which are prepared to organize growers' associations and to exclude other types of cotton. So far the Salt River Valley has been the only southwestern community to meet these conditions, although the prospects are that one or two other valleys in Arizona and southern California will begin growing Egyptian cotton on this basis during the present year.

Much of the land planted to cotton in the Salt River Valley was desert land, under irrigation for the first time, and many of the growers had had no previous experience in raising cotton under irrigation. These conditions and the unusually low night temperatures which prevailed during the months of September and October materially curtailed the production.

The staple of the greater part of the crop of 1913 is slightly more than $1\frac{1}{2}$ inches in length, and the Arizona crop, as a whole, represents a type of Egyptian cotton very much superior to the bulk of our Egyptian imports, there being few mills in this country which use Egyptian cotton equal in quality to that produced in Arizona.

The prospects are that about 10,000 acres in the Salt River Valley will be planted to Egyptian cotton in 1914, and there is reason to anticipate a continued increase in the production of this cotton as an increasing number of spinners become acquainted with its value.

Long-staple upland cotton.—Formerly practically all of the long-staple upland cotton produced in the United States was grown in the Mississippi Delta, where a market for handling cotton of this character had been created. With the increased demand for superior staple cottons, efforts were made in other sections of the cotton belt to grow improved varieties of upland cotton. This movement was accelerated by the fact that early maturing varieties of short-staple cotton have, in a measure, supplanted the long-staple varieties grown in the Delta, where these later maturing cottons were seriously damaged by the boll weevil. The net result has shown no pronounced increase in the quantity of long-staple upland cotton produced in the country, notwithstanding the efforts of those interested in its increased production. In order that definite information as to the production of this cotton from the crop of 1913 might be included in this bulletin, the agents of the bureau, who collect statistics of cotton ginned, were instructed to forward information as to the quantity of long-staple upland cotton grown in the several counties. They were instructed to obtain data as to the number of bales produced, con-

sideration being given only to cotton measuring $1\frac{3}{16}$ inches or more in length. In many sections the ginners have no knowledge of the length of the fiber turned out and cotton with a very good staple is frequently sold at the price of ordinary cotton. The agents encountered great difficulties in arriving at the quantity of this cotton produced and the results of the canvass were not as satisfactory as desired. Judging from the information forwarded by the agents, it would appear that there were about 350,000 bales of upland cotton having a staple of $1\frac{3}{16}$ inches or more produced in the United States from the crop of 1913. It is possible that this estimate is too small, because an investigation made by the Office of Markets of the Department of Agriculture indicates that 280,000 bales of cotton of this character are consumed annually in the mills of the United States and Canada, while large quantities also are exported.

The "Delta" section of Mississippi and the adjacent parts of Arkansas and Louisiana continue to furnish the larger part of the long-staple upland cotton. The next most important district in the production of this cotton is found in the counties of Darlington, Marlboro, and Lee in South Carolina. Among other localities producing the cotton the following are mentioned: Red River and Fort Bend Counties, Texas; Jefferson, Hempstead, Howard, and Sevier Counties, Arkansas; Cherokee and Calhoun Counties, Alabama; Gaston, Union, Cleveland, and Mecklenburg Counties, North Carolina; and Imperial County, California.

The Department of Agriculture is keenly alive to the improvement of varieties and the following statement prepared by the Office of Markets, of that department, summarizes the work of the Government in this connection, as related to the crop of 1913:

The boll weevil was less destructive last year in the lowlands along the Mississippi River than at any time since its invasion. This resulted in an increased yield of upland staple cottons in the regions to which spinners have long been accustomed to turn for the greater portion of their supplies, but the impracticability of raising the standard long-staple varieties of former years, under weevil conditions, seems to be fully realized and the Mississippi Delta is not supplying staple cottons either in as great quantity or of as high quality as in former years.

There has, however, been a notable increase in the production of upland staples in the Carolinas and in the Imperial Valley, California. In the southeast the varieties of the Columbia type appear to predominate, while in the Imperial Valley the total production of Durango cotton is believed to have been about 4,000 bales.

The prices received for staple cotton throughout the country have been abnormally low during the past season. The marketing of cotton of this character is everywhere acknowledged to be upon an unsatisfactory basis, but it is undoubtedly true that both American and foreign spinners have this year used greater quantities of the better varieties of staples produced in the South Atlantic states than ever before.

The newer varieties of upland staples developed by the department are distinctly earlier than the varieties formerly grown and seem to give promise of a continued staple production under intelligent cultural methods, even in weevil-infested areas. In spite of the fact, however, that the long-staple varieties can be grown over a greater part of the cotton belt than was formerly believed to be

the case, and in spite of the fact that the problems of seed selection and of proper cultivation and handling have been so well worked out, the prices of suitable cottons are at the present time so little in excess of the prices of short cotton that it is probable that there will be no great increase in staple production within the next year. It is freely predicted that the acreage of staple cottons in the Atlantic states will be materially reduced in 1914.

During the past year a study was made of the relative spinning values of various new types and varieties of long-staple cotton. The spinning experiments are still incomplete and will be carried on even more extensively in 1914, with a larger number of varieties included. Preliminary results, however, indicate that the best of the staples grown in the South Atlantic states are as uniform and show as small a percentage of waste in the mill as the average staples from the Mississippi Delta.

GRADE AND PRICE OF COTTON.

The estimated average grade of upland cotton, the average prices of upland and of sea-island cotton, the average price of Egyptian cotton at Boston, and the average price of seed of the crops from 1902 to 1913 are presented in the following table:

TABLE 11.—Average grade of upland cotton, average prices of upland, sea-island, and Egyptian cotton, and average price of cotton seed: 1902 to 1913.

[The Census Bureau is indebted to Mr. Henry G. Hester, secretary of the New Orleans Cotton Exchange, for the grades and prices of upland cotton; and to Messrs. Henry W. Frost & Co., of Charleston, S. C., for prices of sea-island cotton. Prices of cotton seed have been determined from information furnished by cottonseed-oil manufacturers.]

GROWTH YEAR.	AVERAGE GRADE OF UPLAND COTTON.	AVERAGE PRICE OF COTTON PER POUND (CENTS).					Average price of cotton seed per ton.
		Upland.	Sea-island.			Egyptian.	
			Florida.	Georgia.	South Carolina.		
1913.....	Strict low middling.....	13.07	19.61	19.61	23.47	20.38	\$25.00
1912.....	Middling to strict middling.....	12.05	19.50	19.50	25.00	19.76	21.20
1911.....	Strict low middling to middling.....	9.69	20.41	20.41	23.73	18.75	18.30
1910.....	Strict middling.....	14.69	27.36	27.36	35.62	22.25	27.40
1909.....	Strict middling.....	14.29	27.10	27.10	32.85	20.50	27.70
1908.....	Strict middling.....	9.24	17.92	17.92	23.39	17.25	15.00
1907.....	Middling.....	11.46	24.27	24.27	35.59	21.00	17.00
1906.....	Strict low middling.....	10.01	28.65	28.65	36.70	20.00	13.80
1905.....	Fully middling.....	10.94	17.50	17.50	26.35	19.00	14.90
1904.....	Strict middling.....	8.66	19.50	19.00	27.12	15.00	14.20
1903.....	Strict middling.....	12.16	23.00	21.00	28.40	17.75	17.80
1902.....	Strict low middling.....	8.20	20.00	17.00	25.00	15.50	15.80

Because of the fact that the annual bulletin on the production of cotton is compiled before the close of the cotton year, it is not possible to determine the average quality or the average price of the entire crop. Accordingly the figures in Table 11, which have been computed from the New Orleans market reports, are based on the average price of the average grade marketed prior to April 1. The estimated average grade of the 1913 upland cotton crop marketed prior to this date was "strict low middling," and the average price, 13.07 cents, which is within 1.62 cents of the record price of 1910. The average price of South Carolina sea-island cotton of the crop of 1913 was 23.47 cents, while that for sea-island cotton grown in Georgia and Florida was 19.61 cents. The average price of cotton

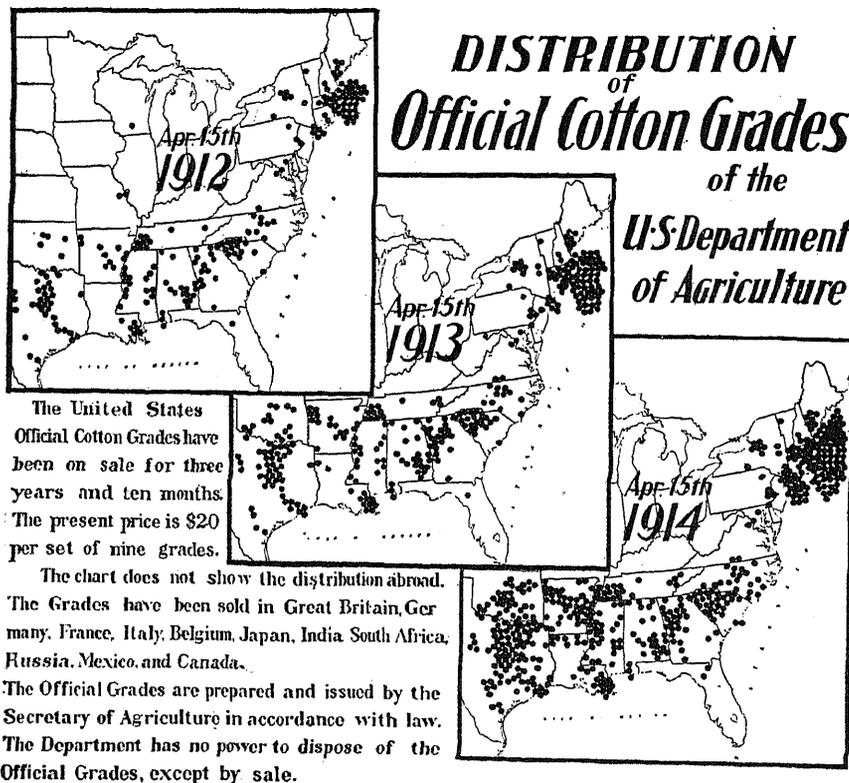
imported from Egypt at the port of Boston for the six months ending February 28, 1914, was 20.38 cents. The average value of cotton seed given in the table was computed from the prices furnished by a number of the leading cottonseed-oil companies and does not include freight and commissions. For the crop of 1913 it was \$25 per ton, which amount was exceeded only for the crops of 1909 and 1910.

COTTON HANDLING AND MARKETING.

National cotton standards.—There is a widespread demand for a change in the methods obtaining in the marketing of cotton whereby greater regard shall be given the actual worth of the staple in the sale of cotton by the producer, since a large proportion of the cotton crop is disposed of by the growers, with but scant attention to the real value of the fiber. The manufacturer, in arriving at the true value of the lint, carefully considers not only the appearance of the cotton as regards color, dirt, and trash, but also the length, strength, and uniformity of the fiber. The producer, as a rule, has slight knowledge of these characteristics, and is somewhat at a disadvantage in disposing of his crop. The desirability of establishing a uniform basis for cotton grading has long been recognized by a majority of those interested in the cotton industry. There are practical difficulties in the way of applying uniform standard grades throughout the handling of the cotton crop, but it is believed these difficulties can

be largely overcome. As a result of the demand for such action, Congress directed the Secretary of Agriculture to establish standards for the different grades of cotton, to prepare them in practical form, and to furnish them to anyone upon payment of the actual cost thereof. Congress has also authorized the making of tests to determine the spinning qualities on the basis of the official grades, and work in this direction is now under way. The following statement, showing the present status of this work was prepared by the Department of Agriculture:

During 1913 the preparation and distribution of the Official Cotton Grades were continued. A new feature of this work was the distribution of sets to agents of the Farmers' Cooperative Demonstration Work for use in helping the farmers to understand the grade of their cotton. The agents placed these sets in a public place with reliable organizations, and daily quotations are posted near by where they can be consulted by both seller and buyer. The price of the Official Cotton Grades was reduced in July, 1913, to \$20 for the full set of nine grades, fractional sets being sold at the rate of \$2.50 per grade for any three or more grade boxes. The types have been officially adopted by the cotton exchanges in the following cities: New Orleans, Memphis, St. Louis, Charleston, Natchez, Little Rock, Galveston, Macon, Mobile, Oklahoma, New York, and by the following associations: New England Cotton Buyers, Arkwright Club, Southern Cotton Buyers, Fall River Cotton Buyers. The grades are also in use in a number of other organizations which have not formally adopted them by vote of the members, while sets, based on the official grades, prepared by private concerns, are also used extensively. The accompanying map shows graphically the distribution of the Official Cotton Grades to April 15, 1914.



The spinning tests authorized by the last Congress on the basis of the Official Grades have been successfully carried out on cotton of the crop of 1912, and the results published in Departmental

Bulletin No. 121. These spinning tests and other tests are to be continued in order to establish a numerical basis for as many as possible of the qualities of cotton.

Cotton ginning.—Two distinct types of cotton gins are in use in the United States. Roller gins are used principally for ginning sea-island cotton, and, to some extent, long-staple upland varieties. While they do not break or injure the fiber, they are slow of operation and of comparatively small capacity. Saw gins, on the other hand, are rapid and meet the requirements of handling large quantities of seed cotton within the limits of the ginning season, but damage the fiber to a greater extent than the roller gins and, consequently, entail a greater percentage of waste in the later processes of manufacture. Attempts to improve the saw gin with a view to the better preservation of the fiber have, as a rule, resulted in reducing the ginning capacity below the point of expeditious handling of the crop. Experiments are being made with a number of different types of gins with a view of developing machinery which will turn out the lint rapidly and, at the same time, not damage the fiber. One line of endeavor is the use of smooth instead of sharp-toothed saws; another, the use of needles instead of saws; and still another, the use of perforated cylinders to which the fibers are held by suction until detached from the seed. The need of better machinery for ginning is strongly felt, and doubtless efforts at improvement will continue to be made until some one succeeds in accomplishing the desired result.

Cotton baling and wrapping.—There has been much criticism of the methods employed in baling and handling American cotton. The bale often presents a very poor appearance, but this is to be expected when the methods used are considered. The bales are not completely covered at the gineries, and, in the course of marketing, the covering is frequently cut in a number of places in order to obtain samples. At the compresses patches are placed over these rents, thus adding somewhat to the weight of the bale. In unloading American cotton from ships at the European ports hooks are generally used, which sometimes tear the covering and break the bands, giving the bale a ragged aspect.

Improvement in methods of compressing and covering cotton has been receiving much attention. The problem of changing the methods of baling and handling cotton is a very difficult one, however. The American crop is grown on nearly 2,000,000 farms and ginned in about 25,000 establishments. The

practices obtaining in the industry throughout the cotton belt differ greatly, and, because of the varying local conditions, it will require a long time to change present methods completely.

Cotton marketing.—The marketing of cotton is a matter intimately associated with all who have to do with this staple, and the methods employed are at times subject to criticism. In order to obtain a knowledge of conditions prefatory to the publication of the report in compliance with an act of Congress, the Department of Agriculture began a thorough study of conditions existing throughout the cotton belt in this regard. The work of the department in this connection during the past year is given in the following statement:

In the investigation of primary market conditions the department has had systematic samplings made at some 70 primary markets throughout the season, from 25 to 50 bales of cotton being sampled on the same days of the week in all markets. The samples have been forwarded to Washington, with a record of the date and place of sale and price per pound paid the grower in each case. A somewhat similar survey, made in the state of Oklahoma last year, indicated that in many markets there was very little variation between the prices paid the farmers for the best and the poorest bales offered until late in the season when the grades were running very low. It also showed that the extreme variations in price occurring in any one market on any one day were almost as likely to occur between two bales of identical character as between the best and poorest grades. In other words, there is every indication that the grade was a minor consideration in fixing the price to the grower.

The survey of 1913-14 involved the sampling of more than 35,000 bales of cotton and, from the systematic manner in which this sampling was done, it is believed that this work will furnish valuable information as to the proportion of the various grades comprising this crop in different parts of the cotton belt, the downward progress of the average grade of the cotton through the picking season, and the proportion of the various tinges, stains, and spots which go to make up the total number of off-color bales. It is also expected to furnish a comprehensive showing of the relation of grade and staple to price paid, although none of the primary markets chosen for this work are in important long-staple producing areas.

VALUE OF THE COTTON CROP.

The estimated values of upland and sea-island cottons and of cotton seed, together with the estimated net weight of cotton for the crops of 1909 to 1913, are presented, by states, in Table 12. No account is taken of linters in computing the value of the crop, as the value of the cotton seed relates to seed before reginning.

COTTON PRODUCTION: 1913.

TABLE 12.—NET WEIGHT AND ESTIMATED VALUE OF UPLAND AND OF SEA-ISLAND COTTON AND THE ESTIMATED QUANTITY AND VALUE OF COTTON SEED, BY STATES: 1909 TO 1913.

STATE.	Growth year.	Aggregate value of cotton crop.	COTTON.				COTTON SEED.		
			Total value.	Upland.		Sea-island.		Quantity (tons).	Value.
				Quantity (pounds).	Value.	Quantity (pounds).	Value.		
United States.....	1913	\$1,043,760,000	\$887,160,000	6,743,290,000	\$881,350,000	29,060,000	\$5,810,000	6,305,000	\$156,600,000
	1912	920,630,000	792,240,000	6,529,000,000	786,750,000	27,440,000	5,490,000	6,104,000	128,330,000
	1911	859,840,000	732,420,000	7,459,940,000	722,870,000	46,490,000	9,550,000	6,997,000	127,420,000
	1910	963,180,000	820,320,000	5,517,150,000	810,470,000	34,640,000	9,850,000	5,175,000	142,860,000
	1909	812,090,000	688,350,000	4,747,730,000	678,460,000	35,490,000	9,900,000	4,462,000	123,740,000
Alabama.....	1913	110,990,000	93,480,000	715,190,000	93,480,000			664,000	17,510,000
	1912	90,280,000	77,360,000	641,990,000	77,360,000			596,000	12,920,000
	1911	93,100,000	79,560,000	821,070,000	79,560,000			762,000	13,540,000
	1910	98,930,000	83,880,000	570,990,000	83,880,000			530,000	15,050,000
	1909	83,040,000	69,940,000	489,450,000	69,940,000			454,000	13,130,000
Arkansas.....	1913	77,080,000	67,130,000	513,620,000	67,130,000			477,000	9,950,000
	1912	53,630,000	45,680,000	379,080,000	45,680,000			352,000	7,950,000
	1911	51,060,000	43,580,000	449,700,000	43,580,000			418,000	7,480,000
	1910	67,060,000	57,750,000	393,090,000	57,750,000			365,000	9,310,000
	1909	57,750,000	48,790,000	341,430,000	48,790,000			317,000	8,960,000
Florida.....	1913	5,010,000	4,270,000	19,200,000	2,510,000	8,990,000	1,760,000	31,000	740,000
	1912	4,190,000	3,660,000	17,300,000	2,090,000	8,050,000	1,570,000	28,000	530,000
	1911	6,250,000	5,510,000	25,030,000	2,430,000	15,080,000	3,080,000	46,000	740,000
	1910	6,470,000	5,550,000	17,390,000	2,550,000	10,960,000	3,000,000	33,000	620,000
	1909	5,760,000	5,020,000	15,770,000	2,250,000	10,210,000	2,770,000	30,000	740,000
Georgia.....	1913	173,680,000	145,820,000	1,090,140,000	142,480,000	17,060,000	3,340,000	1,038,000	27,860,000
	1912	121,800,000	103,540,000	832,140,000	100,270,000	16,780,000	3,270,000	798,000	18,240,000
	1911	154,330,000	131,450,000	1,294,040,000	125,390,000	29,670,000	6,060,000	1,246,000	22,880,000
	1910	150,540,000	126,450,000	825,170,000	121,220,000	19,140,000	5,230,000	795,000	24,630,000
	1909	148,040,000	125,770,000	841,610,000	120,270,000	20,310,000	5,500,000	812,000	22,270,000
Louisiana.....	1913	31,820,000	27,750,000	212,310,000	27,750,000			197,000	4,070,000
	1912	25,370,000	21,670,000	179,810,000	21,670,000			167,000	3,700,000
	1911	21,010,000	17,830,000	183,940,000	17,830,000			171,000	3,180,000
	1910	20,130,000	17,250,000	117,420,000	17,250,000			109,000	2,880,000
	1909	20,530,000	17,310,000	121,090,000	17,310,000			112,000	3,280,000
Mississippi.....	1913	96,500,000	82,060,000	627,830,000	82,060,000			583,000	14,440,000
	1912	71,720,000	60,380,000	501,110,000	60,380,000			465,000	11,340,000
	1911	66,530,000	55,820,000	576,050,000	55,820,000			535,000	10,710,000
	1910	104,930,000	88,830,000	604,670,000	88,830,000			561,000	16,100,000
	1909	88,210,000	74,020,000	518,000,000	74,020,000			481,000	14,190,000
Missouri.....	1913	5,000,000	4,200,000	32,150,000	4,200,000			30,000	800,000
	1912	3,800,000	3,210,000	26,670,000	3,210,000			25,000	590,000
	1911	5,300,000	4,600,000	46,400,000	4,500,000			43,000	800,000
	1910	4,870,000	4,130,000	28,530,000	4,190,000			26,000	680,000
	1909	3,650,000	3,090,000	21,590,000	3,090,000			20,000	560,000
North Carolina.....	1913	59,700,000	49,380,000	377,840,000	49,380,000			351,000	10,410,000
	1912	58,980,000	49,750,000	412,890,000	49,750,000			383,000	9,230,000
	1911	58,810,000	49,720,000	513,140,000	49,720,000			476,000	9,090,000
	1910	59,350,000	49,430,000	336,500,000	49,430,000			312,000	9,320,000
	1909	48,860,000	40,920,000	286,360,000	40,920,000			266,000	7,940,000
Oklahoma.....	1913	60,820,000	52,540,000	401,990,000	52,540,000			373,000	8,280,000
	1912	67,200,000	58,910,000	488,860,000	58,910,000			464,000	8,260,000
	1911	55,070,000	47,380,000	488,990,000	47,380,000			454,000	7,690,000
	1910	74,950,000	64,860,000	441,520,000	64,860,000			410,000	10,090,000
	1909	43,560,000	37,230,000	269,520,000	37,230,000			242,000	6,330,000
South Carolina.....	1913	103,660,000	86,230,000	654,790,000	85,580,000	3,010,000	710,000	613,000	17,370,000
	1912	80,880,000	68,330,000	561,610,000	67,680,000	2,610,000	650,000	526,000	12,550,000
	1911	90,120,000	76,520,000	785,450,000	76,110,000	1,740,000	410,000	732,000	13,600,000
	1910	98,630,000	82,520,000	559,730,000	80,900,000	1,540,000	1,620,000	518,000	16,110,000
	1909	89,820,000	75,960,000	529,170,000	74,330,000	4,970,000	1,630,000	490,000	13,860,000
Tennessee.....	1913	27,860,000	23,750,000	181,670,000	23,750,000			169,000	4,110,000
	1912	18,330,000	15,960,000	132,390,000	15,950,000			123,000	2,880,000
	1911	24,680,000	20,870,000	215,410,000	20,870,000			200,000	3,820,000
	1910	27,350,000	23,340,000	158,910,000	23,340,000			148,000	4,010,000
	1909	19,870,000	16,870,000	118,020,000	16,870,000			110,000	3,000,000
Texas.....	1913	287,400,000	247,000,000	1,889,800,000	247,000,000			1,755,000	40,400,000
	1912	321,430,000	281,740,000	2,338,170,000	281,740,000			2,171,000	39,690,000
	1911	230,910,000	197,530,000	2,638,230,000	197,500,000			1,893,000	33,410,000
	1910	247,880,000	214,520,000	1,490,330,000	214,520,000			1,356,000	33,360,000
	1909	201,940,000	172,580,000	1,207,790,000	172,590,000			1,123,000	29,330,000
Virginia.....	1913	1,760,000	1,460,000	11,200,000	1,460,000			10,000	300,000
	1912	1,670,000	1,400,000	11,640,000	1,400,000			11,000	270,000
	1911	1,630,000	1,380,000	14,260,000	1,380,000			13,000	250,000
	1910	1,230,000	1,040,000	7,050,000	1,040,000			7,000	220,000
	1909	810,000	690,000	4,810,000	690,000			4,000	120,000
All other states ¹	1913	2,390,000	2,030,000	15,560,000	2,030,000			14,000	360,000
	1912	750,000	660,000	5,460,000	660,000			5,000	90,000
	1911	950,000	800,000	8,240,000	800,000			8,000	150,000
	1910	830,000	710,000	4,850,000	710,000			5,000	120,000
	1909	190,000	150,000	1,100,000	150,000			2,000	40,000

¹ Includes Arizona, California, Kansas, Kentucky, and New Mexico.

The statistics in Table 12 are based upon a net weight. In computing the values of the crops the average prices of cotton given in Table 11 have been used. As stated on page 21, these prices relate to cotton marketed prior to April 1, and the values given in the table are affected accordingly. With the varying conditions found throughout the cotton belt the compilation of absolutely accurate data is practically impossible. The statistics in Table 12 are therefore estimates, but it is believed they are sufficiently close to the facts to furnish a reliable basis. The average prices given in Table 11 have been multiplied in each case by the corresponding numbers representing the weights, while the average prices of seed for the several states have been applied to the estimated quantities of seed produced. The values of cotton and of seed are combined to make up the total value of the cotton crop, which appears in the first column of the table. The estimated value of the crop of 1913 is \$1,043,760,000, as compared with \$920,630,000 for 1912, \$859,840,000 for 1911, \$963,180,000 for 1910, and \$681,230,000 for 1908. Thus the value of the crop of 1913, as estimated, was \$183,920,000, or 21.4 per cent more than the estimate for 1911, notwithstanding the fact that the quantity of lint cotton was 9.8 per cent less.

Estimated seed production.—It has generally been assumed that upland cotton, on an average, "thirds itself" at the gin—that is, the seed weighs twice as much as the lint. Greater care than heretofore is now being exercised in selecting seed for planting, which, with improved methods of ginning, tends to the saving of more lint from the first ginning than formerly, the proportions being estimated at 35 per cent lint for upland and 25 per cent lint for sea-island cotton. As thus computed, the quantity of seed produced in 1913 amounted to 6,305,000 tons.

Only approximate accuracy can be claimed for the figures of cottonseed production in Table 12, as different seasons and different localities present conditions which vary considerably. The character of soil, methods of cultivation, and weather conditions during the growing and maturing periods, as well as the care exercised, materially affect the result.

NUMBER OF GINNERIES.

The number of ginneries, both active and idle, reported for each year from 1909 to 1913, and the average number of running bales ginned per active establishment, are shown, by states, in Table 13.

TABLE 13.—NUMBER OF ACTIVE AND IDLE GINNERIES, AND AVERAGE NUMBER OF RUNNING BALES, EXCLUDING LINTERS, GINNED PER ACTIVE ESTABLISHMENT, BY STATES: 1909 TO 1913.

STATE.	Growth year.	NUMBER OF GINNERIES.			Average number of running bales ginned per active establishment.	STATE.	Growth year.	NUMBER OF GINNERIES.			Average number of running bales ginned per active establishment.
		Total.	Active.	Idle.				Total.	Active.	Idle.	
United States.....	1913	27,649	24,749	2,900	567	North Carolina.....	1913	2,988	2,715	273	308
	1912	28,358	25,270	3,079	535		1912	3,069	2,810	256	323
	1911	29,225	26,349	2,876	502		1911	3,125	2,897	228	359
	1910	29,380	26,234	3,146	443		1910	3,068	2,821	247	297
	1909	29,465	26,669	2,796	381		1909	3,026	2,781	245	228
Alabama.....	1913	3,252	2,989	263	498	Oklahoma.....	1913	1,151	1,035	116	834
	1912	3,417	3,130	287	425		1912	1,153	1,051	102	977
	1911	3,569	3,295	274	516		1911	1,129	1,068	61	970
	1910	3,610	3,337	273	359		1910	1,061	986	75	947
	1909	3,645	3,408	237	308		1909	1,036	897	139	632
Arkansas.....	1913	2,080	1,923	157	541	South Carolina.....	1913	3,466	3,216	250	441
	1912	2,140	1,921	219	402		1912	3,532	3,258	274	376
	1911	2,232	2,019	213	450		1911	3,567	3,331	236	508
	1910	2,257	2,035	222	393		1910	3,521	3,253	268	372
	1909	2,273	2,051	222	342		1909	3,451	3,238	213	351
Florida.....	1913	286	221	65	302	Tennessee.....	1913	639	565	74	649
	1912	303	247	56	238		1912	666	584	82	458
	1911	310	276	34	342		1911	666	603	63	713
	1910	312	275	37	244		1910	674	602	72	533
	1909	298	252	46	246		1909	705	633	72	330
Georgia.....	1913	4,351	3,867	484	607	Texas.....	1913	4,695	4,352	343	872
	1912	4,514	3,993	521	454		1912	4,607	4,300	307	1,083
	1911	4,727	4,254	473	657		1911	4,591	4,260	331	970
	1910	4,818	4,276	542	424		1910	4,506	4,120	386	724
	1909	4,843	4,437	406	417		1909	4,452	4,057	395	620
Louisiana.....	1913	1,525	1,198	327	365	Virginia.....	1913	154	134	20	183
	1912	1,599	1,132	467	332		1912	153	135	18	189
	1911	1,675	1,233	442	310		1911	149	131	18	237
	1910	1,760	1,249	511	199		1910	142	121	21	133
	1909	1,840	1,431	409	184		1909	138	106	32	101
Mississippi.....	1913	2,923	2,409	514	520	All other states ¹	1913	25	23	2	1,386
	1912	3,070	2,598	472	387		1912	25	17	8	649
	1911	3,357	2,864	493	408		1911	20	13	7	1,289
	1910	3,537	3,052	485	397		1910	16	14	2	705
	1909	3,655	3,283	372	327		1909	11	9	2	260
Missouri.....	1913	114	102	12	625						
	1912	113	103	10	520						
	1911	108	105	3	868						
	1910	98	93	5	634						
	1909	92	86	6	517						

¹ Includes Arizona, California, Kansas, Kentucky, and New Mexico.

Notwithstanding the decided increase in the quantity of cotton ginned from the crops of 1911, 1912, and 1913, as compared with previous years, the total number of active ginneries has been decreasing. Texas shows an increase of 52 active ginneries in 1913 over the number in 1912, Louisiana 66, and Arkansas 2. Each of the other states report decreases, as compared with 1912, Mississippi showing a loss of 189, Alabama 141, Georgia 126, and North Carolina 95.

The average number of bales ginned per establishment was 567 in 1913, 535 in 1912, 592 in 1911, and 443 in 1910, the size of the crop necessarily affecting the average. As a result of the more general use of larger and more modern ginneries in the newer portions of the cotton belt, the average number of bales ginned

per establishment is naturally larger for those sections than for the older.

It is the practice of the bureau to retain on the official list and to class as "idle" all establishments which contain the machinery necessary for ginning and which may be operated at some future time, and to drop from the list as "dismantled" only those not properly equipped with ginning machinery. This accounts, in part, for the relatively large number of idle establishments. The numbers of active and of idle ginneries in each county are shown in Table 21.

ACREAGE AND PRODUCTION.

Table 14 shows, by states, the acreage from which cotton was harvested and the production for selected years.

TABLE 14.—COTTON ACREAGE HARVESTED AND PRODUCTION, BY STATES, FOR SELECTED YEARS: 1839 TO 1913.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are excluded. Census statistics of acreage prior to 1879 are not available. The statistics of acreage and of production for the census years 1879, 1889, 1899, and 1909, and those of production since 1893, are census figures based on actual canvass, while the others are as estimated by the United States Department of Agriculture.]

GROWTH YEAR.	United States.	Alabama.	Arkansas.	Florida.	Georgia.	Louisiana.	Mississippi.	Missouri. ¹	North Carolina.	Oklahoma.	South Carolina.	Tennessee.	Texas.	Virginia.
1913—Acres.....	37,089,000	3,760,000	2,502,000	188,000	5,318,000	1,244,000	3,067,000	126,000	1,576,000	3,009,000	2,790,000	865,000	12,597,000	47,000
Bales.....	13,982,811	1,483,669	1,038,293	66,700	2,346,237	436,865	1,251,841	95,629	837,995	842,499	1,418,704	366,786	3,773,024	24,569
1912—Acres.....	34,283,000	3,730,000	1,991,000	224,000	5,335,000	929,000	2,889,000	112,000	1,545,000	2,665,000	2,695,000	783,000	11,338,000	47,000
Bales.....	13,488,539	1,328,297	770,937	58,833	1,812,778	374,793	1,004,376	64,573	906,351	1,005,109	1,224,245	267,439	4,645,309	25,499
1911—Acres.....	36,045,000	4,017,000	2,363,000	308,000	5,504,000	1,075,000	3,340,000	141,000	1,624,000	3,050,000	2,800,000	837,000	10,943,000	43,000
Bales.....	15,553,073	1,695,284	908,014	94,471	2,794,295	380,826	1,169,066	107,879	1,126,276	1,016,538	1,692,146	430,027	4,107,152	31,099
1910—Acres.....	32,403,000	3,560,000	2,298,000	257,000	4,873,000	975,000	3,317,000	109,000	1,478,000	2,204,000	2,534,000	754,000	10,060,000	33,000
Bales.....	11,568,334	1,192,179	798,156	67,172	1,812,178	246,788	1,212,104	68,694	753,087	919,842	1,210,968	321,103	2,949,968	16,095
1909—Acres.....	32,044,000	3,731,000	2,153,000	263,000	4,883,000	957,000	3,400,000	106,000	1,274,000	1,977,000	2,557,000	788,000	9,930,000	25,000
Bales.....	10,072,731	1,040,137	697,603	61,877	1,850,125	258,459	1,073,105	46,785	633,746	552,678	1,137,382	240,757	2,469,331	10,746
1908—Acres.....	32,444,000	3,591,000	2,296,000	265,000	4,848,000	1,550,000	3,075,000	87,000	1,458,000	2,311,000	2,534,000	754,000	9,316,000	28,000
Bales.....	13,086,005	1,332,003	996,093	70,598	1,977,050	466,543	1,620,325	60,025	683,628	689,345	1,215,848	334,084	3,627,350	13,113
1907—Acres.....	31,311,000	3,439,000	1,950,000	265,000	4,774,000	1,622,000	3,220,000	71,000	1,408,000	2,196,000	2,426,000	749,000	9,156,000	35,000
Bales.....	11,057,822	1,113,093	751,851	56,668	1,800,323	662,032	1,442,881	36,415	637,961	848,977	1,163,565	266,433	2,208,021	9,602
1906—Acres.....	31,374,000	3,568,000	2,097,000	283,000	4,610,000	1,739,000	3,400,000	91,000	1,374,000	1,931,000	2,398,000	814,000	8,894,000	36,000
Bales.....	12,983,201	1,241,133	894,268	61,473	1,632,703	955,473	1,483,408	53,684	611,258	871,961	912,602	238,023	3,957,619	14,596
1905—Acres.....	26,117,153	3,500,168	1,718,751	256,173	3,738,703	1,561,774	3,051,265	66,444	1,085,568	1,234,822	2,161,923	757,397	6,945,501	38,664
Bales.....	10,495,105	1,228,000	598,915	78,838	1,725,272	511,738	1,168,059	41,664	652,815	660,027	1,112,363	269,030	2,432,718	15,666
1904—Acres.....	30,053,739	3,611,731	2,051,185	267,372	4,227,188	1,745,865	3,632,458	79,403	1,306,968	1,315,663	2,151,875	881,341	7,640,531	47,199
Bales.....	13,451,337	1,451,362	901,223	87,525	1,962,890	1,083,683	1,774,464	51,434	749,712	796,382	1,192,926	320,317	3,062,203	17,216
1903—Acres.....	28,016,893	3,608,049	1,925,191	268,666	4,048,912	1,642,463	3,327,960	68,529	1,155,028	1,029,357	2,318,100	783,196	7,801,578	39,864
Bales.....	9,819,969	987,224	715,588	53,572	1,305,844	818,087	1,410,805	36,839	555,320	456,704	814,351	240,808	2,406,146	13,681
1902—Acres.....	27,114,103	3,501,614	1,901,758	253,961	3,863,542	1,617,586	3,183,989	61,830	1,075,743	1,017,090	2,205,016	754,600	7,640,531	36,843
Bales.....	10,588,250	965,518	940,101	67,287	1,475,834	866,911	1,423,395	42,289	567,530	530,709	948,005	307,102	2,427,994	16,575
1901—Acres.....	27,220,414	3,642,964	1,854,482	254,596	4,006,199	1,586,124	3,193,570	55,183	1,112,260	837,673	2,248,569	737,337	7,656,312	35,145
Bales.....	9,582,520	1,112,892	712,492	57,144	1,373,857	834,048	1,252,728	29,951	450,128	371,029	731,561	194,847	2,447,834	14,009
1900—Acres.....	25,758,139	3,403,746	1,742,787	235,451	3,833,015	1,480,781	3,154,795	50,173	1,091,034	709,006	2,195,252	662,612	7,178,915	30,572
Bales.....	10,102,102	1,028,640	801,034	55,696	1,256,901	705,061	1,037,029	27,130	508,302	346,237	779,849	215,375	3,329,015	11,833
1899—Acres.....	24,275,101	3,202,135	1,641,955	221,825	3,513,839	1,376,254	2,897,920	48,201	1,007,020	682,743	2,074,081	623,137	6,960,367	25,724
Bales.....	9,393,242	1,086,667	702,512	56,821	1,287,386	701,662	1,239,373	19,582	472,770	209,611	874,744	207,551	2,525,324	9,239
1898—Acres.....	24,967,295	3,063,176	1,876,467	152,452	3,535,205	1,281,691	2,900,298	82,498	1,311,708	530,799	2,353,213	896,722	6,991,904	51,162
Bales.....	11,189,205	1,176,042	919,469	35,064	1,378,731	717,747	1,247,128	33,207	629,620	316,864	1,035,414	322,820	3,363,109	13,990
1897—Acres.....	24,319,584	2,709,460	1,619,785	251,109	3,537,702	1,245,399	2,778,610	83,784	1,302,437	534,656	2,074,778	967,077	7,164,175	50,612
Bales.....	10,897,857	1,112,681	942,267	63,567	1,350,731	788,325	1,524,771	27,082	646,726	317,561	1,030,085	268,635	2,822,403	12,878
1896—Acres.....	23,273,209	2,656,333	1,542,652	264,325	3,468,335	1,245,399	2,835,316	79,373	1,223,714	219,674	2,014,348	912,337	6,758,656	47,747
Bales.....	8,532,705	833,789	605,643	48,730	1,299,340	567,251	1,201,000	24,717	521,795	122,956	936,463	236,781	2,122,701	11,539
1895—Acres.....	20,184,808	2,371,726	1,186,655	191,540	3,069,323	1,142,568	2,487,119	48,212	1,050,183	238,940	1,814,728	712,763	5,826,428	44,623
Bales.....	7,161,094	663,916	520,860	38,722	1,067,377	513,843	1,013,358	11,934	397,752	82,771	764,700	172,560	1,905,337	7,964
1894—Acres.....	23,687,950	2,664,861	1,483,319	201,611	3,610,968	1,313,296	2,826,272	72,107	1,296,522	262,890	2,160,391	879,954	6,854,621	61,128
Bales.....	9,901,251	900,439	748,206	50,729	1,247,952	760,757	1,231,227	25,543	479,441	135,566	862,604	304,931	3,140,392	13,414
1893—Acres.....	19,525,000	2,316,000	1,867,250	165,000	3,050,000	946,000	2,845,400	310,670	1,180,000	(?)	1,885,000	805,920	4,153,760	(?)
Bales.....	7,493,000	810,000	679,000	55,000	1,000,000	473,000	1,050,000	103,000	400,000	(?)	650,000	276,000	1,997,000	(?)
1889—Acres.....	20,175,270	2,761,165	1,700,878	227,370	3,345,104	1,270,154	2,833,278	60,620	1,147,136	71,187	1,987,469	747,471	3,934,525	39,213
Bales.....	7,472,511	915,210	691,494	57,928	1,191,846	659,180	1,154,725	16,941	336,261	34,540	747,190	190,579	1,471,242	5,375
1884—Acres.....	17,439,612	2,740,941	1,259,858	268,111	2,958,930	922,581	2,392,447	70,920	1,061,048	(?)	1,716,128	815,678	3,186,668	46,302
Bales.....	5,682,000	648,700	531,400	57,300	807,400	485,200	883,200	30,200	404,100	(?)	511,800	313,800	995,400	13,500
1879—Acres.....	14,480,019	2,330,086	1,042,976	245,595	2,617,138	864,787	2,106,215	34,783	893,153	35,000	1,364,249	722,562	2,178,435	45,040
Bales.....	5,755,359	699,654	608,256	54,997	814,441	508,569	963,111	21,685	389,598	17,000	522,548	330,621	805,284	19,595
1869—Bales ³	3,011,996	429,482	247,968	39,789	473,924	350,832	564,938	2,965	144,935	.....	224,500	181,842	350,628	183
1859—Bales ³	5,387,052	989,955	367,393	65,153	701,840	777,738	1,202,507	42,886	145,514	.....	353,412	296,464	431,463	12,727
1849—Bales ³	2,469,093	564,429	65,344	45,131	499,091	178,737	484,292	772	73,845	.....	300,901	194,532	58,072	3,947
1839—Bales ³	2,063,915	305,846	15,741	31,620	426,612	393,317	504,965	2,662	135,578	.....	161,123	72,327	.....	9,124

¹ Includes statistics for other cotton-producing localities not named; also for Oklahoma and Virginia in 1893 and for Oklahoma in 1884.

² Included with Missouri.

³ The statistics of bales for 1849, 1859, and 1869 are in equivalent 400-pound bales, as expressed in the census reports for those years; those for 1839 are in equivalent bales of 383 pounds, net weight.

According to the revised estimate of the Department of Agriculture, the area planted in cotton in 1913 was 37,458,000 acres, of which 369,000 acres, or 1 per cent, were abandoned, leaving 37,089,000 acres as the area from which the crop was harvested. This is an increase of 2,806,000 acres, or 8.2 per cent, as compared with 1912, and is the largest acreage—both planted and harvested—for any year. Florida and

Georgia are the only states that show reductions, as compared with 1912, while Texas shows an increase of 1,259,000 acres. The average production of lint per acre in 1913, as estimated by the Department of Agriculture, was 182 pounds, as compared with 191 pounds in 1912 and 208 pounds in 1911. The average yield per acre in North Carolina was 239 pounds, in South Carolina 235 pounds, in Tennessee 210 pounds,

in Arkansas 205 pounds, and in Mississippi 204 pounds. In Oklahoma the average was only 132 pounds and in Texas 150 pounds. When conditions are favorable the yield of cotton in some localities approaches a bale to the acre. This is largely the result of improved cultural methods, which involve thorough preparation of the soil, the use of commercial fertilizers, rotation of cotton with leguminous crops, and rapid and intelligent cultivation. With the spread of the system of intensive farming there may be a large increase in production without any further extension of acreage devoted to this crop.

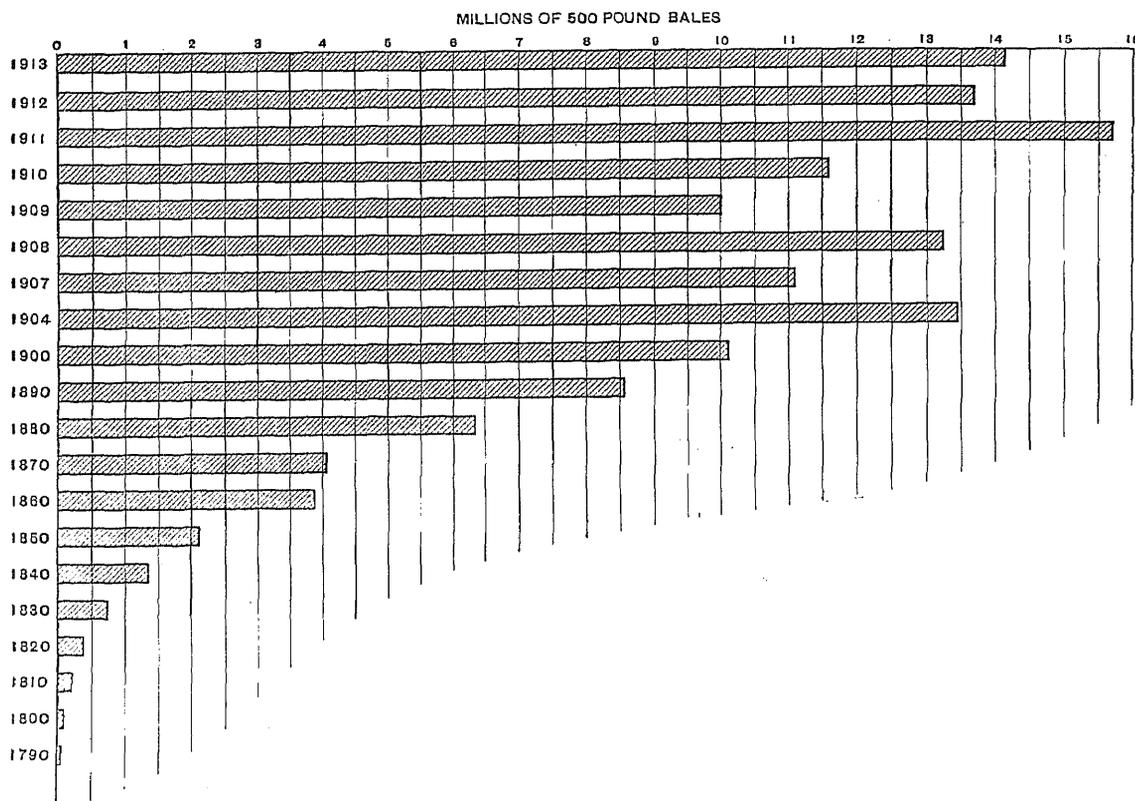
In 1839 cotton was grown in Delaware, Maryland, Indiana, and Illinois, the last-named state alone producing more than 5,000 bales. Under the stimulus of the high prices following the Civil War, cotton was grown to a limited extent in West Virginia, Nevada, California, Illinois, and Utah, in all of which states its cultivation subsequently ceased. New Mexico, which

produced more than 7,000 pounds of cotton in 1859, afterwards abandoned its culture, but has again established the industry, while California, as previously stated, has also resumed the cultivation of cotton.

COTTON INDUSTRY AND TRADE OF THE UNITED STATES.

A complete record of the cotton industry in the United States, covering annual statistics of production, value of upland cotton per pound, consumption, exports, and imports, since 1790, is given in Table 15, on the following page. Because of the variations in the weights of bales and differences in the methods of collecting and compiling statistics employed by the several authorities consulted, absolute accuracy can not be claimed for all of the statistics in this table, but it is believed that the figures closely approach the facts. Certainly a very interesting record of the American cotton industry is presented by these statistics, and the table will serve as a valuable reference.

DIAGRAM 1.—COTTON PRODUCTION IN SPECIFIED YEARS: 1790 TO 1913.



COTTON PRODUCTION: 1913.

TABLE 15.—PRODUCTION, CONSUMPTION, EXPORTS, AND NET IMPORTS OF RAW COTTON, FOR THE UNITED STATES: 1790 TO 1913.

Production.—The production statistics relate, when possible, to the year of growth, but when figures for the growth year are wanting, those for a commercial crop which represents the trade movement have been taken. The statistics of production for the years 1790 to 1898, inclusive, have been compiled from publications of the United States Department of Agriculture; for the years 1899 to 1912, inclusive, and for other dates, when available, census figures are used.

Price of upland cotton.—For the years 1902 to 1912, inclusive, the price per pound shown for upland cotton represents the average price of the average grade marketed in New Orleans prior to April 1 of the following year; for the years 1890 to 1901, inclusive, it is the average price of middling cotton on the New Orleans Cotton Exchange; and for the years 1790 to 1889, inclusive, it is taken from reports of the United States Department of Agriculture.

Consumption.—The statistics of consumption for the years 1790 to 1894, inclusive, have been compiled from publications of the United States Department of Agriculture, and those for the years 1895 to 1903, inclusive, from the reports of Latham, Alexander & Co. Census figures are used for the years 1904 to 1911, inclusive, and for other dates when available. The statistics relate to the 12 months during which the crop of the specified year was chiefly marketed, and not to the calendar year specified.

Domestic exports and net imports.—For the years 1790 to 1819, inclusive, the statistics have been taken from American state papers, and for the years 1820 to 1910 from the reports on Commerce and Navigation of the United States, published by the Bureau of Statistics, Department of Commerce and Labor. For the years 1790 to 1842, inclusive, the statistics of exports relate to the 12 months beginning with October 1 of the specified year; for 1843 to 1886, inclusive, to the 12 months beginning with July 1; and for 1887 to 1911, inclusive, to the 12 months beginning with September 1. The statistics of imports relate to the same period as the statistics of consumption.

YEAR.	COTTON PRODUCTION.				Consumption of cotton and linters (equivalent 500-pound bales).	Exports of domestic cotton (equivalent 500-pound bales).	Net imports (equivalent 500-pound bales).	YEAR.	COTTON PRODUCTION.				Consumption of cotton and linters (equivalent 500-pound bales).	Exports of domestic cotton (equivalent 500-pound bales).	Net imports (equivalent 500-pound bales).
	Running bales, counting round as half bales.	Equivalent 500-pound bales, gross weight.	Average net weight of bale (lbs.).	Average price per pound, upland cotton (cents).					Running bales, counting round as half bales.	Equivalent 500-pound bales, gross weight.	Average net weight of bale (lbs.).	Average price per pound, upland cotton (cents).			
1913	13,082,811	14,156,486	484	13.1				1851	3,126,310	2,799,290	428	9.5	617,468	2,186,461	512
1912	13,488,539	13,703,421	486	12.0	5,630,835	9,199,093	225,460	1850	2,454,442	2,136,083	416	12.1	422,626	1,854,474	330
1911	15,553,073	15,692,701	483	9.7	5,181,826	10,681,332	229,268	1849	2,469,093	1,975,274	429	12.3	575,506	1,270,763	485
1910	11,568,834	11,008,616	480	14.7	4,616,779	8,025,991	231,191	1848	2,866,938	2,615,031	436	7.5	586,032	2,053,204	22
1909	10,072,731	10,004,949	475	14.3	4,559,002	6,491,843	151,395	1847	2,439,786	2,128,433	417	8.0	537,427	1,628,549	558
1908	13,086,005	13,241,799	484	9.2	5,198,963	8,889,724	165,451	1846	1,778,651	1,603,763	431	11.2	385,916	1,054,440	122
1907	11,057,822	11,107,179	480	11.5	4,493,028	7,779,508	140,869	1845	2,100,537	1,806,110	411	7.9	363,365	1,045,116	386
1906	12,983,201	13,273,800	489	10.0	4,974,169	8,825,236	202,733	1844	2,394,503	2,078,910	415	5.6	337,730	1,745,812	2 680
1905	10,495,105	10,575,017	482	10.9	4,877,465	6,975,494	133,464	1843	2,030,409	1,750,060	412	7.7	298,872	1,327,267	517
1904	13,451,337	13,438,012	478	8.7	4,523,208	9,057,397	130,182	1842	2,378,875	2,035,481	409	7.2	278,196	1,487,504	1,835
1903	9,819,060	9,851,129	480	12.2	3,980,567	6,233,682	100,298	1841	1,683,574	1,398,282	397	7.8	222,461	1,169,434	1,107
1902	10,588,250	10,630,945	481	8.2	4,187,076	6,913,506	149,113	1840	1,634,954	1,347,640	394	9.5	245,045	1,060,408	1,210
1901	9,582,520	9,509,745	489	8.1	4,080,287	6,870,313	190,880	1839	2,063,915	1,653,722	383	8.0	236,525	1,487,882	297
1900	10,102,102	10,123,027	480	9.3	3,603,516	6,806,572	116,610	1838	1,360,532	1,092,980	384	13.4	221,738	827,448	319
1899	9,303,242	9,345,391	476	7.6	3,687,253	6,467,623	134,778	1837	1,891,497	1,428,384	379	10.1	195,100	1,191,905	355
1898	11,189,205	11,435,368	489	4.9	3,672,097	7,626,525	103,223	1836	1,423,930	1,129,016	379	13.2	176,449	888,423	2 510
1897	10,897,857	10,985,040	482	5.6	3,472,398	7,811,031	105,802	1835	1,360,725	1,061,821	373	16.5	184,731	847,263	427
1896	8,532,705	8,515,640	477	7.3	2,841,394	6,124,026	114,712	1834	1,253,406	982,343	367	17.4	166,523	774,718	1,574
1895	7,161,094	7,146,772	477	8.2	2,499,731	4,761,505	112,001	1833	1,225,895	930,962	363	12.9	149,159	709,436	308
1894	9,001,251	9,025,534	484	5.9	2,983,665	6,961,372	99,399	1832	1,114,286	815,900	350	12.3	142,352	649,397	69
1893	7,403,000	7,433,056	474	7.5	2,300,276	5,307,295	59,405	1831	1,069,444	805,439	360	9.4	130,895	644,340	2 22
1892	6,700,365	6,658,313	475	8.4	2,415,875	4,485,251	85,745	1830	1,026,393	732,218	341	9.7	129,938	553,960	22
1891	9,035,370	8,940,867	473	7.3	2,846,753	5,896,800	64,394	1829	1,076,696	763,598	339	10.0	89,723	596,918	378
1890	8,652,597	8,562,089	473	8.6	2,604,491	5,850,219	45,580	1828	953,079	679,916	341	9.9	81,788	529,674	2 40
1889	7,472,511	7,472,511	478	11.5	2,518,409	4,928,921	18,334	1827	805,970	564,854	335	10.3	81,516	421,181	597
1888	6,938,200	6,923,775	477	10.7	2,309,250	4,730,192	15,284	1826	1,057,402	732,218	331	9.3	103,585	588,020	74
1887	7,046,833	6,884,667	467	10.3	2,205,302	4,519,254	11,963	1825	817,308	533,473	312	12.2	-----	409,671	79
1886	6,595,087	6,314,501	464	10.3	2,049,687	4,301,542	7,552	1824	751,748	449,791	286	18.6	-----	352,900	26
1885	6,575,691	6,369,341	463	9.4	2,094,682	4,200,651	8,270	1823	656,028	387,029	282	14.7	-----	286,739	932
1884	5,682,000	5,477,448	460	10.5	1,687,108	3,783,319	7,144	1822	704,698	439,331	298	11.4	-----	347,447	110
1883	5,713,200	5,521,963	462	10.6	1,813,365	3,733,369	11,247	1821	636,042	376,569	283	14.3	-----	289,350	2 196
1882	6,940,756	6,833,442	470	10.6	2,038,400	4,501,331	4,716	1820	575,540	334,728	278	14.3	100,000	249,787	427
1881	5,456,048	5,136,447	450	12.2	1,849,457	3,376,521	3,261	1819	632,576	349,372	264	17.0	-----	255,720	2 4,571
1880	6,605,756	6,356,998	460	11.3	1,865,922	4,453,495	5,447	1818	446,429	261,506	280	24.0	-----	175,094	2 4,454
1879	5,755,359	5,466,387	454	12.0	1,500,688	3,742,752	7,578	1817	465,950	271,967	270	34.0	-----	184,942	3,086
1878	5,074,155	4,745,078	447	10.8	1,457,266	3,290,167	5,049	1816	439,716	259,414	282	26.0	-----	171,299	2,048
1877	4,773,895	4,494,224	450	11.3	1,458,667	3,197,439	5,046	1815	369,004	209,205	271	29.0	-----	163,894	2 44
1876	4,474,059	4,118,390	440	11.7	1,314,489	2,839,418	4,832	1814	254,545	146,444	275	21.0	51,778	165,997	2 266
1875	4,632,313	4,302,818	444	13.0	1,255,712	3,037,650	4,498	1813	304,878	156,904	246	15.5	-----	35,458	101
1874	3,832,991	3,528,276	440	15.0	1,098,163	2,504,118	3,784	1812	304,878	156,904	246	12.5	-----	38,220	3,133
1873	4,170,388	3,873,750	444	17.0	1,213,052	2,682,631	3,541	1811	325,203	167,364	246	10.5	-----	57,775	897
1872	3,930,508	3,650,932	444	18.2	1,115,691	2,470,590	10,016	1810	286,195	177,824	297	15.5	35,565	124,116	431
1871	2,074,351	2,756,564	443	20.5	1,146,730	1,824,937	6,374	1809	328,000	171,548	250	16.0	33,473	186,523	2 560
1870	4,352,317	4,024,527	442	17.0	1,026,583	2,922,757	1,802	1808	334,821	156,904	224	16.0	-----	101,981	2 1,601
1869	3,011,996	2,409,597	440	24.0	796,616	1,087,708	3,026	1807	289,855	167,364	276	19.0	-----	21,261	6,297
1868	2,366,467	2,198,141	444	20.0	860,481	1,300,449	1,370	1806	285,714	167,364	280	21.5	-----	127,889	1,485
1867	2,519,554	2,345,610	445	24.9	844,044	1,502,756	1,845	1805	304,348	146,444	230	22.0	-----	71,315	961
1866	2,097,254	1,948,077	444	31.6	715,258	1,401,697	2 1,035	1804	261,044	135,983	249	23.0	23,013	76,780	456
1865	2,269,316	2,093,658	441	43.2	614,540	1,301,146	10,322	1803	222,222	125,523	270	20.0	-----	70,068	183
1864	300,000	299,372	477	83.4	344,278	17,789	68,798	1802	231,092	115,063	238	19.0	-----	75,424	2 1,153
1863	450,000	449,059	477	101.5	219,540	23,998	52,405	1801	210,526	100,418	228	19.0	-----	47,768	2 170
1862	1,600,000	1,506,653	444	67.2	287,397	27,770	67,605	1800	153,500	78,222	228	22.0	18,820	41,822	8,696
1861	4,500,000	4,490,586	477	31.3	369,226	10,129	61,731	1799	88,889	41,841	225	28.0	16,737	35,580	8,870
1860	3,849,469	3,841,416	477	13.0	841,975	615,032	-----	1798	66,667	31,381	225	41.0	-----	19,005	7,532
1859	5,387,052	4,300,642	461	11.0	845,410	3,535,373	-----	1797	48,889	23,013	225	39.0	-----	18,720	7,761
1858	4,018,914	3,758,273	447	12.1	867,489	2,772,937	-----	1796	44,444	20,921	225	34.0	-----	7,577	7,336
1857	3,257,339	3,012,016	442	12.2	550,708	2,237,248	-----	1795	35,556	16,736	225	36.5	-----	12,213	8,737
1856	3,093,737	2,873,680	444	13.5	761,614										

COTTONSEED PRODUCTS.

Prior to the introduction of oil mills cotton seed was practically valueless, except for planting purposes. Although it was used to some extent for fertilizing and for planting, a very large proportion of the total amount produced was considered a waste product and treated accordingly. The manufacture of oil from cotton seed first reached importance in England. That country, with a crush of about 200,000 tons of cotton seed annually, was the leading cottonseed-oil producing country in the world as late as 1870. A few mills were constructed in the United States prior to the Civil War, but the growth of the industry was very slow, and at the census of 1880 only 45 such establishments were reported in the United States. Since that time the industry has shown marvelous growth in this country, there being 870 establishments engaged in the crushing of cotton seed during the season of 1913-14, with a crush of more than 4,750,000 tons. While showing no marked increase in Europe, the industry is being established in the various cotton-growing countries, mills having been built in India, Egypt, Russia, China, Brazil, and several other countries of less importance from the viewpoint of cotton production.

Many changes have been brought about in this industry, that of delinting the seed preparatory to crushing being of particular interest in a report on the cotton crop. The first mills erected were not equipped with machinery for this purpose, as the seed treated were usually of the sea-island or Egyptian varieties, which are smooth and comparatively free from lint. Practically all of the seed treated in the United States are of the upland varieties of cotton, and these seed, unless specially reginned, are covered with short fibers, which prevent a complete separation of the meats from the hulls, as small particles of the former become enmeshed in the fibers and are carried away with the hulls. When seed were first delinted, not more than

25 or 30 pounds of linters were obtained per ton of seed treated. With the increase in the value of oil and meal, efforts were made to increase the yield of these products, and machinery was devised for the closer delinting of seed. Accordingly improved machinery of this character has very generally been installed, and now many establishments obtain more than 100 pounds of linters per ton of seed treated, some obtaining as much as 150 or 160 pounds per ton. Some establishments regin the seed twice. When this is done the linters obtained in the first run are of a much better grade than those obtained in the second.

The closer delinting of cotton seed has resulted in a largely increased production of linters and a consequent lowering of the average grade. Formerly linters were used to some extent for the same purposes as the lower grades of cotton and were accordingly included in the total production of cotton. With the lowering of the average grade of linters and the enormous increase in the production, it was deemed best not to include linters in the totals of the production of cotton, and the bureau has accordingly changed its practice in this respect. The total production of linters for each year since the inauguration of the annual reports of cotton ginned by this bureau is shown in Table 1, while the amounts, by states, for the years 1909 to 1913 are given in Table 2.

Cotton seed crushed and linters obtained.—Although the data relative to the production of linters have been collected each year since 1902, in connection with the statistics of cotton ginned, information as to the quantity of cotton seed used by the oil mills in manufacture has been collected for only the last three years, except at the general censuses of manufactures. Table 16 shows, by states, for the crops of 1911, 1912, and 1913, the number of cottonseed-oil mills active, the quantity of seed crushed, the total quantity of linters obtained, and the average quantity of linters obtained per ton of seed treated.

TABLE 16.—NUMBER OF COTTONSEED-OIL MILLS, QUANTITY OF SEED CRUSHED, AND QUANTITY OF LINTERS OBTAINED, BY STATES: CROPS OF 1911, 1912, AND 1913.

STATE.	ACTIVE COTTON-SEED-OIL MILLS.			COTTON SEED CRUSHED.			LINTERS OBTAINED.								
	Number.			Tons.			Running bales.			Equivalent 500-pound bales.			Average per ton of seed crushed (pounds).		
	1913	1912	1911	1913	1912	1911	1913	1912	1911	1913	1912	1911	1913	1912	1911
United States.....	870	857	830	4,767,802	4,579,508	4,921,073	631,153	602,324	556,276	638,881	609,504	557,875	67	67	57
Alabama.....	85	79	78	428,447	347,221	410,295	53,860	38,830	40,667	53,960	30,161	40,673	63	56	50
Arkansas.....	43	42	43	305,042	240,360	273,455	40,671	34,081	31,836	42,040	35,106	32,994	60	70	60
Florida.....	4	4	4	23,650	19,060	26,156	2,621	1,415	1,655	2,409	1,283	1,693	51	34	32
Georgia.....	156	157	154	861,177	680,836	814,152	110,629	76,185	80,813	108,790	74,900	77,172	63	50	47
Louisiana.....	32	31	34	153,526	151,742	157,175	21,823	17,927	18,502	22,368	18,308	18,885	73	61	60
Mississippi.....	68	75	73	502,326	393,635	430,356	60,766	45,228	46,718	64,658	47,881	48,777	64	61	57
Missouri.....	4	4	4	27,994	22,419	42,271	3,399	2,433	4,217	3,538	2,520	4,381	63	50	52
North Carolina.....	64	63	63	317,955	359,850	330,784	34,983	28,729	33,131	33,321	26,920	28,955	52	43	44
Oklahoma.....	58	55	48	249,721	337,617	306,842	38,536	52,016	39,260	40,887	54,857	40,830	82	81	67
South Carolina.....	98	99	102	411,292	340,555	387,962	46,680	35,517	36,989	45,016	34,131	35,384	55	50	46
Tennessee.....	23	23	22	259,550	164,703	251,829	34,671	22,292	28,515	35,739	23,247	29,408	69	71	53
Texas.....	229	220	209	1,166,369	1,570,966	1,415,321	176,202	243,514	190,096	179,525	246,638	191,221	77	78	68
All other states ¹	6	5	5	60,747	41,582	74,475	6,397	4,345	6,687	6,632	4,525	7,262	56	54	48

¹ Includes California, 1; Illinois, 2; Kansas, 1; and Kentucky, 1; also Arizona, 1, in 1913.

The estimated quantity of cotton seed produced from the crop of 1913, according to Table 12, was 6,305,000 tons, which compares with 6,104,000 tons from the crop of 1912 and 6,997,000 tons from that of 1911. Of the total for 1913, 4,767,802 tons or 75.6 per cent, were taken by the oil mills, thus leaving 1,537,000 tons, or 24.4 per cent, for planting, export, feeding, and other purposes. The proportion of the seed taken by the oil mills from the crop of 1912 was 75 per cent and from the crop of 1911, 70 per cent. The proportion which the quantity of seed crushed forms of the total produced, as shown in Table 12, varies for the different states, but this is accounted for in part by the interstate shipment of seed and by differences as to accessibility to the mills and as to the quantity of the seed retained for planting, larger proportions being kept for this purpose in some localities, especially where the better varieties of cotton are grown. In Alabama, Arkansas, and South Carolina the proportion of the estimated seed production which was taken by the oil mills of those states was comparatively low, large quantities of seed grown in these states being shipped to other states for crushing. On the other hand, the amount returned by the mills in Tennessee exceeded the total production of the state. This is due to the fact that Memphis is one of the most important crushing centers in the cotton belt and draws seed from other states, particularly Arkansas.

There were 870 establishments engaged in crushing cotton seed from the crop of 1913, as compared with 857 in 1912, 839 in 1911, and 810 in 1909. Since 1909 Texas has made a gain of 37 active establishments, Oklahoma of 19, Alabama of 14, and Georgia and North Carolina of 11 each, while Mississippi shows a loss of 21 and Louisiana of 9.

The average quantity of seed crushed per establishment in the United States in 1913 was 5,480 tons, which compares with 5,344 and 5,865 tons, respectively, for the two previous seasons. Large variations appear in the averages for the different states, South Carolina showing the smallest and Tennessee the largest for each of the years named.

As previously stated, the quantity of linters produced increased from 114,544 bales from the crop of 1899 to 638,881 bales from the crop of 1913. Statistics as to the quantity of seed treated in obtaining the linters have been collected for only the last three years, but it is evident that the average production of linters per ton of seed crushed has been steadily increasing. The average for the country as a whole was 67 pounds in 1913 and in 1912, and 57 pounds in 1911. The increase in the average for 1912 over that for 1911 was so marked that the bureau corresponded with a number of establishments which showed the largest average production per ton of seed treated. The replies received to these letters of inquiry indicate that the

installation of improved machinery, which effects closer delinting, was the most important factor in bringing about the increase. The average for 1913 would have exceeded that of 1912 had there not been such a decrease in quantity of seed treated in Texas and Oklahoma, where the highest averages obtain, the states in the eastern part of the cotton belt all showing increases. For 1913 Oklahoma shows 82 pounds of linters per ton of seed treated; while Texas is second, with 77 pounds; Louisiana third, with 73 pounds; and Arkansas and Tennessee next, with 69 pounds each. In Florida and Georgia the averages are affected somewhat by the sea-island seed treated, the yield of linters obtained from this seed being very small, some of it not being delinted at all.

Cotton seed crushed and linters obtained to specified dates.—Prior to the season of 1912–13 statistics of linters obtained by reginning cotton seed were collected only in March of each year. For the crop of 1912 data were also obtained showing the quantity of seed crushed and linters obtained to January 1, and for the crop of 1913 the quantities to December 1 and January 1. This information is given, by states, in the following table:

TABLE 17.—Cotton seed crushed and linters obtained to specified dates, by states: Crops of 1912 and 1913.

STATE.	COTTON SEED OF CROP INDICATED CRUSHED PRIOR TO—			LINTERS OF CROP INDICATED OBTAINED PRIOR TO—		
	January 1.		December 1.	January 1.		December 1.
	1913	1912	1913	1913	1912	1913
United States....	Tons. 3,012,685	Tons. 2,739,897	Tons. 2,192,276	Bales. 397,974	Bales. 352,972	Bales. 288,468
Alabama.....	282,854	235,264	192,841	32,789	25,966	23,863
Arkansas.....	175,312	142,533	116,632	22,667	18,823	15,299
Florida.....	17,578	15,650	13,806	1,677	1,154	1,397
Georgia.....	515,137	405,541	375,266	65,461	48,900	46,846
Louisiana.....	103,022	94,877	74,625	13,538	10,324	9,508
Mississippi.....	284,527	241,987	195,700	34,620	27,936	23,390
Missouri.....	19,530	15,588	13,749	2,381	1,642	1,649
North Carolina.....	162,995	160,164	114,233	17,607	14,889	11,823
Oklahoma.....	188,473	191,936	136,191	28,885	28,794	20,966
South Carolina.....	239,439	203,689	171,496	26,779	20,719	19,105
Tennessee.....	151,221	107,739	100,120	19,234	13,432	12,658
Texas.....	860,321	901,047	667,176	129,243	138,190	99,959
All other states.....	32,276	23,702	20,391	3,093	2,187	2,005

Prior to January 1, 1914, 3,012,685 tons of cotton seed from the crop of 1913 were crushed, compared with 2,739,897 tons from the crop of 1912. These amounts represent, respectively, 63.2 per cent and 59.8 per cent of the totals crushed for the two seasons. The states crushing prior to this date the largest proportions of their totals for the season are Oklahoma, with 75.5 per cent; Florida, with 74.3 per cent; and Texas, with 73.8 per cent; while North Carolina, with 51.3 per cent, shows the smallest proportion.

Nearly one-half of the total quantity of seed crushed from the crop of 1913 was treated by the mills prior to December 1. In Texas, where some mills began

COTTON PRODUCTION: 1913.

operation much earlier than in the other states, 57.2 per cent of the total quantity of seed crushed for the season was treated prior to December 1, while the proportion in Oklahoma, where the crop was affected by the drought, was 54.5, and in Florida 58.4. On the other hand, only 35.9 per cent of the total quantity crushed in North Carolina was treated prior to that date.

Comparative data for the industry.—The remarkable development of the cottonseed products industry in the United States is indicated in Table 18, which shows the estimated quantity of cotton seed produced, the quantity utilized for manufacturing purposes, and the estimated quantities and values of crude products manufactured, together with statistics regarding the exports of cotton seed and its products.

TABLE 18.—ESTIMATED QUANTITY OF COTTON SEED PRODUCED, QUANTITY OF COTTON SEED CRUSHED, ESTIMATED QUANTITIES AND VALUES OF CRUDE PRODUCTS OBTAINED, AND EXPORTS OF COTTONSEED PRODUCTS: 1874 TO 1913.

[In the preparation of this table a number of sources of information have been utilized, but it has been found impracticable to secure in all instances satisfactory data for the years indicated, and only an approximation to the facts is claimed. Statistics of the quantity of seed produced and the quantity crushed and of cottonseed products relate to the growth year, while the statistics of exports are for the year ending June 30, following.]

YEAR.	COTTON SEED—		CRUDE COTTON SEED PRODUCTS.								EXPORTS.			
	Produced (tons).	Crushed (tons).	Total value.	Oil.		Cake and meal.		Hulls.		Linters.		Cotton seed (tons).	Cottonseed products.	
				Quantity (gallons).	Value.	Quantity (tons).	Value.	Quantity (tons).	Value.	Quantity (bales of 500 pounds net).	Value.		Oil (gallons).	Cake and meal (tons).
1913	6,305,000	4,767,802	\$155,500,000	197,100,000	\$83,320,000	2,000,000	\$52,790,000	1,564,000	\$12,230,000	611,110	\$7,160,000			
1912	6,104,000	4,579,508	132,230,000	185,750,000	69,100,000	1,999,000	45,970,000	1,540,000	9,710,000	533,001	7,450,000	12,024	42,031,052	564,846
1911	6,097,000	4,921,073	131,340,000	201,650,000	66,580,000	2,151,000	49,720,000	1,642,000	9,830,000	533,099	5,150,000	32,030	53,262,706	646,845
1910	5,175,000	4,105,000	142,710,000	167,970,000	80,430,000	1,792,000	44,660,000	1,375,000	11,370,000	379,576	6,250,000	6,612	30,069,469	402,208
1909 ¹	4,462,000	3,209,000	105,720,000	131,000,000	55,230,000	1,820,000	35,910,000	1,189,000	9,810,000	296,640	4,770,000	12,466	29,860,667	320,044
1908	5,904,000	3,670,000	86,090,000	146,700,000	44,090,000	1,492,000	33,580,000	1,330,000	6,080,000	330,277	2,340,000	25,813	51,087,329	616,875
1907	4,952,000	2,565,000	65,980,000	103,050,000	33,390,000	1,043,000	23,300,000	927,000	6,370,000	253,487	2,920,000	14,239	41,019,991	464,644
1906	5,913,000	3,844,000	94,380,000	153,760,000	43,050,000	1,786,000	39,140,000	1,593,000	8,849,000	307,518	3,350,000	8,814	41,880,304	670,464
1905	5,090,000	3,131,000	64,950,000	125,700,000	26,400,000	1,272,000	29,250,000	1,135,000	5,110,000	219,307	4,190,000	11,859	43,793,519	555,417
1904	6,427,000	3,345,000	69,310,000	133,820,000	31,340,000	1,360,000	27,770,000	1,213,000	5,590,000	235,586	4,610,000	10,551	51,535,580	625,854
1903	4,716,000	3,241,000	73,930,000	121,880,000	39,000,000	1,150,000	24,840,000	1,528,000	5,710,000	194,486	4,380,000	6,430	29,013,743	410,175
1902	5,092,000	3,209,000	71,290,000	122,910,000	40,560,000	1,105,000	23,310,000	1,541,000	5,390,000	150,366	2,030,000	25,811	35,642,994	560,106
1901	4,630,000	3,154,000	62,980,000	118,610,000	33,210,000	1,125,000	21,930,000	1,487,000	6,320,000	145,103	1,520,000	28,202	33,042,848	525,293
1900	4,830,000	2,415,000	48,230,000	96,610,000	26,680,000	845,000	16,270,000	1,139,000	3,990,000	111,066	1,890,000	21,665	49,356,741	629,344
1899	4,668,000	2,479,000	42,410,000	93,330,000	21,390,000	884,000	16,030,000	1,169,000	3,190,000	114,544	1,800,000	24,928	46,367,390	571,852
1898	5,472,000	2,353,000	27,960,000	94,110,000	13,180,000	823,000	14,780,000					17,222	50,627,219	539,097
1897	5,253,000	2,101,000	26,680,000	84,040,000	12,610,000	735,000	14,070,000					16,382	40,230,784	469,864
1896	4,070,000	1,820,000	26,200,000	65,120,000	11,720,000	570,000	14,540,000					13,283	27,198,882	311,093
1895	3,416,000	1,435,000	20,180,000	57,300,000	11,480,000	502,000	8,700,000					13,490	10,445,848	202,460
1894	4,792,000	1,677,000	24,870,000	67,000,000	13,420,000	587,000	11,450,000					5,526	21,187,728	244,888
1893	3,579,000	1,431,000	28,500,000	57,200,000	16,600,000	501,000	11,900,000					2,710	14,958,300	
1892	3,183,000	1,050,000	18,630,000	42,010,000	10,080,000	368,000	8,550,000					2,260	9,402,074	
1891	4,274,000	1,628,000	20,520,000	42,740,000	11,540,000	374,000	8,980,000					6,075	13,850,273	
1890	4,093,000	1,023,000	19,790,000	40,630,000	11,460,000	358,000	8,330,000					5,054	11,003,160	
1889	3,495,000	1,474,000	16,400,000	34,650,000	10,130,000	305,000	6,270,000					3,330	13,384,385	
1888	3,310,000	794,000	20,370,000	31,770,000	13,980,000	278,000	6,390,000					5,687	2,690,700	
1887	3,291,000	823,000	17,130,000	32,910,000	11,520,000	288,000	5,610,000					3,109	4,458,597	
1886	3,015,000	694,000	12,820,000	27,770,000	8,050,000	243,000	4,770,000					5,616	4,007,133	
1885	3,945,000	573,000	10,970,000	23,140,000	6,710,000	202,000	4,260,000					5,897	6,240,139	
1884	2,625,000	499,000	10,470,000	19,950,000	6,980,000	174,000	3,490,000					5,523	6,364,276	
1883	2,639,000	396,000	9,850,000	15,840,000	6,020,000	138,000	3,830,000					2,837	3,605,940	
1882	3,200,000	392,000	10,640,000	15,680,000	7,000,000	137,000	3,580,000					5,900	415,611	
1881	2,455,000	285,000	8,380,000	11,780,000	5,420,000	103,000	2,900,000					5,051	713,549	
1880	3,039,000	182,000	4,610,000	7,290,000	2,770,000	64,000	1,840,000					5,814	3,444,684	
1879	2,610,000	235,000	5,640,000	9,420,000	3,670,000	82,000	1,970,000					6,071	6,997,792	
1878	2,268,000	181,000	3,810,000	7,260,000	2,400,000	64,000	1,416,000					8,199	5,352,530	
1877	2,148,000	150,000	3,910,000	6,020,000	2,650,000	53,000	1,200,000					8,379	4,992,345	
1876	1,909,000	98,000	2,610,000	3,940,000	1,770,000	34,000	840,000					5,155	1,705,422	
1875	2,057,000	123,000	3,970,000	4,940,000	2,670,000	43,000	1,300,000					2,582	281,654	
1874	1,687,000	84,000	2,530,000	3,370,000	1,590,000	30,000	940,000					2,857	417,387	

¹ The figures of the Thirteenth Census are not shown in this table because they do not represent a single growth year.

The average yields of oil, meal and cake, and hulls per ton of seed crushed vary for the different years and for the several states, according to the seasons, the kinds and conditions of the seed, and the efficiency of the crushing plants. The estimated quantities of these products for 1913, however, are based upon the average production per ton of seed crushed, as returned at the census of 1910, which related to

seed crushed from the crops of 1908 and 1909. The value of the products has been computed according to prices furnished by manufacturers. The bureau does not claim absolute accuracy for the statistics in this table, except for the quantities of linters since 1899 and of seed crushed for 1911, 1912, and 1913, but presents the estimates for the other items as approximately correct.

LOCALIZATION OF COTTON GINNING.

The cotton crop of 1913 was ginned in 888 counties, that of 1912 in 877, and that of 1911 in 883. In several instances there were counties in which the ginneries were active for one crop and idle for another, this fact accounting, in part, for the differences in the number of counties for the different crops. Table 19 gives the number of counties, by states, from which cotton ginning was reported, and classifies the counties according to the total quantities returned by the ginneries.

Of the total number of counties reporting cotton ginned from the crop of 1913, 265 returned less than 5,000 equivalent 500-pound bales each, as compared with 264 from the crop of 1912 and 243 from the crop of 1911. For many of these counties the quantity of cotton reported is small, in some cases only one or two ginneries being operated in a county. There were 189 counties which reported more than 25,000 bales each in 1913, as compared with 166 in 1912 and 221 in 1911. There were 38 counties which reported more than 50,000 bales each in 1913, 11 of which—4 in Mississippi and 7 in Texas—returned more than 75,000 bales each and 5—Bolivar County, Miss., and Ellis, Williamson, McLennan, and Navarro Counties, Tex., in the order named—more than 100,000 bales each.

The counties reporting cotton ginned are indicated on the United States map on page 34, while on the state maps, pages 71 to 79, inclusive, the counties ginning cotton are designated according to the production in 500-pound bales.

Table 20 shows the quantity of sea-island cotton ginned to December 13 and for the season, by counties, Table 21 gives similar data for sea-island and upland cotton combined, as well as the number of active and idle ginneries, while Table 22 presents statistics of

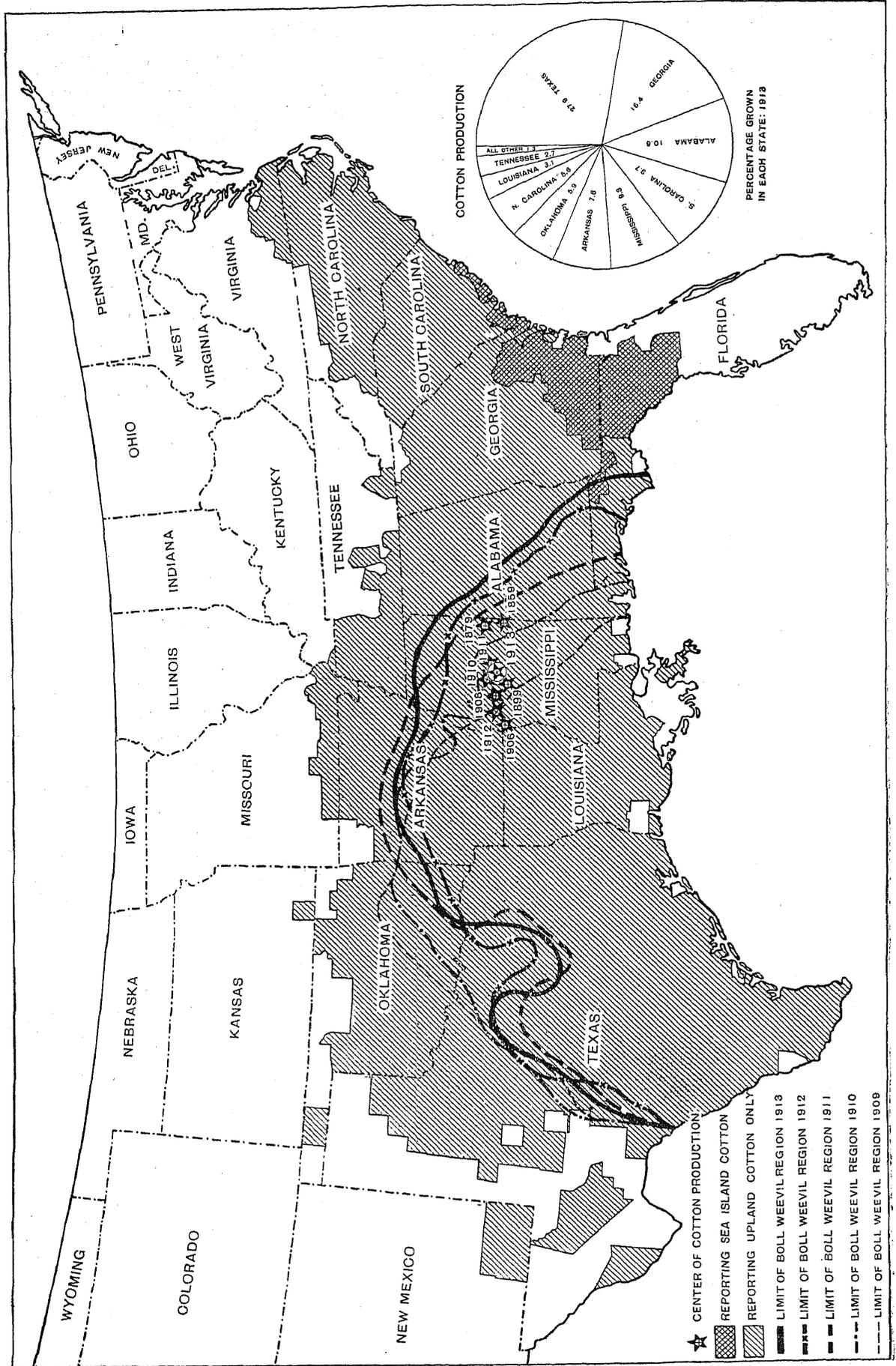
cotton ginned to specified dates and throughout the season. Linters are not included.

TABLE 19.—Cotton-producing counties classified according to quantity of cotton ginned, by states: 1911, 1912, and 1913.

STATE.	Year.	NUMBER OF COUNTIES GINNING—						
		Total.	Less than 5,000 bales.	5,000 to 10,000 bales.	10,000 to 15,000 bales.	15,000 to 25,000 bales.	25,000 to 40,000 bales.	40,000 bales and over.
United States...	1913	888	265	143	117	174	127	62
	1912	877	264	145	129	173	109	57
	1911	883	243	119	122	178	137	84
Alabama.....	1913	67	3	7	7	23	24	3
	1912	67	3	6	13	22	20	3
	1911	67	3	3	8	22	23	8
Arkansas.....	1913	71	13	18	11	19	6	4
	1912	71	18	17	15	17	4	2
	1911	71	16	14	17	17	5	2
Florida.....	1913	24	23	.....	.....	1	.....	.....
	1912	24	23	.....	.....	1	.....	.....
	1911	24	19	4	.....	1	.....	.....
Georgia.....	1913	143	24	19	32	41	21	6
	1912	142	26	38	32	36	10	.....
	1911	140	20	15	22	41	31	11
Louisiana.....	1913	54	27	10	7	5	4	1
	1912	52	27	9	9	5	1	1
	1911	52	27	9	7	8	1	.....
Mississippi.....	1913	77	29	9	13	12	8	6
	1912	76	27	10	13	17	3	6
	1911	77	19	11	15	20	7	8
Missouri.....	1913	11	8	1	.....	1	1	.....
	1912	10	7	1	1	.....	1	.....
	1911	11	7	1	.....	1	1	1
North Carolina.....	1913	75	27	21	9	8	9	1
	1912	75	27	18	10	8	11	1
	1911	74	21	17	11	11	8	6
Oklahoma.....	1913	63	15	9	14	16	8	1
	1912	63	17	5	9	20	10	2
	1911	66	16	10	6	21	11	2
South Carolina.....	1913	44	1	3	2	12	16	10
	1912	44	1	5	5	11	16	6
	1911	43	.....	3	.....	9	13	18
Tennessee.....	1913	32	12	8	1	5	5	1
	1912	32	16	5	4	6	.....	1
	1911	33	13	4	5	4	6	1
Texas.....	1913	209	69	35	21	30	25	29
	1912	204	58	28	18	30	33	37
	1911	209	70	24	31	23	31	30
All other states.....	1913	18	14	3	.....	1	.....	.....
	1912	17	14	3	.....	.....	.....	.....
	1911	16	12	4	.....	.....	.....	.....

COTTON-PRODUCING AREA OF THE UNITED STATES IN 1913, AND CENTER OF PRODUCTION: 1859-1913.

The cotton-producing area of the United States, as shown by the returns of growers, is indicated on the map below. Localities producing upland cotton only are represented by diagonal lines, and those producing sea-land or both sea-land and upland, by intercrossed lines. On pages 71 to 79 will be found maps of the principal cotton-producing states, upon which are indicated the relative quantities of cotton produced by counties in 1913. The centers of production in the United States for the years of 1859, 1879, 1899, 1906, 1910, 1911, 1912, and 1913 are indicated on the map below. The center of production in 1859 was approximately 13 miles southeast of Macon, in Noxubee County, Miss.; in 1879 it was 11 miles south of Columbus, in Lowndes County, in Holmes County; in 1906 it was 5 miles northeast of Mayersville, in Issaquena County; in 1908 it was 4 miles west of Lexington, in Holmes County; in 1910 it was 3 miles southwest of Vaiden, in Carroll County; in 1911 it was in Attala County, 2½ miles southwest of French Camps; in 1912 it was in Sharkey County, 2 miles north of Midnight; and in 1913 it was in Attala County, 10 miles northwest of Kossisusko.



COTTON PRODUCTION: 1913.

TABLE 20.—QUANTITY OF SEA-ISLAND COTTON GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES.

[Cotton shown in this table is also included in Table 21.]

COUNTY.	SEA-ISLAND CROP (BALES)—					SEA-ISLAND COTTON GINNED TO DEC. 13 (BALES)—				
	1913	1912	1911	1910	1909	1913	1912	1911	1910	1909
FLORIDA.										
The state.....	25,587	22,334	41,270	29,417	28,158	24,126	19,505	35,585	25,854	26,870
Alachua.....	5,912	5,203	9,839	7,027	5,695	5,725	4,661	9,055	6,391	5,288
Baker.....	724	447	1,112	1,033	865	701	300	933	916	816
Bradford.....	2,649	1,899	4,855	3,251	3,302	2,596	1,660	4,467	2,922	3,231
Columbia.....	2,296	1,566	3,108	2,541	2,377	2,265	1,421	2,982	2,321	2,314
Hamilton.....	3,778	2,524	4,196	3,506	3,756	3,538	2,036	3,499	2,954	3,495
Jackson.....	80	131	262	109	162	28	89	200	75	130
Jefferson.....	125	210	292	169	214	125	195	280	147	209
Lafayette.....	697	628	1,045	814	638	605	581	1,004	756	608
Madison.....	4,275	4,684	9,707	6,441	6,470	3,937	4,010	7,589	5,554	6,260
Suwanee.....	4,532	4,301	5,678	3,976	4,296	4,225	3,993	5,023	3,392	4,188
Taylor.....	181	231	363	323	217	160	199	319	294	199
All other.....	338	420	815	227	166	221	310	134	132	132

GEORGIA.										
The state.....	43,305	43,736	72,904	47,935	52,060	39,014	35,418	58,008	39,725	47,564
Appling.....	1,815	2,679	4,590	2,854	3,134	1,606	2,107	3,514	2,415	2,956
Berrien.....	8,003	7,929	11,535	7,186	7,702	7,948	6,783	9,536	6,440	7,271
Brooks.....	2,028	2,117	2,586	982	834	1,899	1,732	2,227	917	808
Bulloch.....	4,457	6,339	9,268	8,659	9,020	3,837	5,323	6,985	6,688	8,095
Clinch.....	555	779	1,049	644	849	461	477	757	456	781
Coffee.....	3,109	4,125	8,372	4,932	5,318	2,741	3,110	6,499	4,216	4,878
Colquitt.....	950	1,067	2,067	610	280	882	957	1,728	573	259
Echols.....	89	224	530	417	516	89	208	489	375	498
Emanuel.....	55	173	141	219	347	55	128	125	180	338
Irwin.....	10	57	33	62	10	10	41	28	61	61
Lowndes.....	10,519	6,558	11,819	7,847	8,384	9,706	5,693	10,198	6,908	7,946
Pierce.....	2,981	2,540	5,585	2,921	3,889	2,631	1,762	4,505	2,292	3,465
Tattnall.....	5,397	4,936	9,066	6,817	7,338	4,751	3,941	6,823	5,404	6,505
Ware.....	575	568	768	662	632	520	465	617	557	585
Wayne.....	1,893	1,726	3,204	2,312	2,927	1,718	1,244	2,397	1,799	2,448
All other.....	876	1,066	2,267	835	828	710	1,467	1,567	477	670

SOUTH CAROLINA.										
The state.....	8,671	7,707	5,119	13,016	14,573	6,380	5,522	4,442	9,649	10,743
Beaufort.....	1,662	1,213	649	1,538	2,143	721	515	491	825	1,289
Charleston.....	7,009	6,479	4,457	11,184	12,223	5,659	4,999	3,947	8,651	9,296
Colleton.....				260	170				149	128
All other.....		15	13	34	37		8	4	24	30

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—				
	Ac-tive.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909					

ALABAMA.

[See map on page 71.]

The state...	2,989	263	1,483,669	1,328,297	1,695,284	1,192,179	1,040,137	1,495,485	1,342,275	1,716,534	1,194,250	1,024,350	1,444,212	1,234,755	1,561,136	1,128,470	987,254
Autauga.....	51	...	20,542	17,812	20,252	14,887	12,823	20,579	17,605	20,540	14,899	12,941	20,403	17,410	19,708	14,664	12,502
Baldwin.....	12	4	850	1,714	3,629	2,821	2,144	848	1,747	3,711	2,855	2,104	799	1,525	3,209	2,559	1,924
Barbour.....	85	9	34,753	29,973	36,225	25,759	24,888	34,795	29,487	35,790	24,270	24,136	33,761	27,390	33,416	25,164	24,494
Bibb.....	27	8	8,343	7,300	10,066	6,964	5,314	8,969	7,661	10,505	7,297	5,401	8,043	6,825	9,110	6,590	4,938
Blount.....	41	4	14,901	12,372	16,256	11,018	8,944	14,682	11,988	15,190	10,478	8,146	14,549	11,389	14,984	10,065	8,404
Bullock.....	50	1	27,205	23,756	34,574	26,412	17,628	27,444	24,417	35,702	27,290	17,475	26,671	22,618	32,890	26,065	16,994
Butler.....	48	5	26,062	24,417	27,310	19,696	18,530	26,475	25,145	28,066	20,061	18,341	25,692	23,088	26,179	19,363	17,940
Calhoun.....	52	4	22,176	17,634	24,610	15,893	13,317	21,843	17,468	24,541	15,661	13,056	21,670	16,182	22,900	14,945	12,055
Chambers.....	59	4	36,286	32,682	42,862	33,493	27,166	37,186	32,166	42,879	33,788	26,619	34,300	30,614	39,119	31,936	25,081
Cherokee.....	62	5	21,739	16,725	23,145	14,946	13,698	21,200	16,223	22,368	14,211	12,981	21,102	15,613	20,409	13,003	12,742
Chilton.....	31	4	16,204	15,560	20,327	14,239	10,872	16,223	15,299	20,148	14,037	9,891	15,959	14,959	19,207	13,889	10,078
Choctaw.....	46	11	5,136	10,561	15,486	11,673	10,745	5,285	10,804	15,771	11,855	10,771	4,854	9,169	12,999	10,775	9,555
Clarke.....	78	10	10,837	17,549	21,968	15,888	15,049	11,401	18,146	22,816	16,501	15,404	9,650	14,081	18,631	14,056	13,910
Clay.....	58	5	17,920	16,451	21,250	15,437	12,812	17,160	15,678	20,209	14,542	12,320	16,947	14,606	19,308	14,493	11,560
Cleburne.....	30	10	7,681	7,188	9,684	6,280	6,092	7,000	6,537	9,200	5,677	5,328	7,945	6,272	8,718	5,707	5,522
Coffee.....	42	4	33,024	30,753	37,923	25,104	22,639	32,482	30,384	37,324	24,245	21,403	32,140	28,047	35,898	24,414	21,981
Colbert.....	24	...	15,025	11,419	13,675	11,614	9,130	15,578	11,556	14,326	11,758	9,020	14,801	10,445	12,065	10,700	9,021
Conecuh.....	48	4	16,276	14,919	20,138	12,580	10,123	16,814	14,561	19,840	12,161	10,001	15,685	18,667	11,319	9,280	9,280
Coosa.....	47	3	16,484	15,166	18,851	12,820	11,069	15,571	14,468	17,761	11,884	10,385	15,609	13,723	17,109	12,245	10,209
Covington.....	41	...	29,169	24,647	24,471	16,194	13,673	28,411	23,617	23,644	15,222	12,737	28,684	22,705	22,392	15,695	13,098

COTTON PRODUCTION: 1913.

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—				
	Ac-tive.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909					
ALABAMA—Continued.																	
Crenshaw	46	1	28,633	27,552	30,730	20,129	18,438	29,572	20,244	30,466	20,371	18,399	20,854	25,053	20,168	19,942	16,826
Cullman	42	1	24,123	20,573	27,914	18,807	15,510	23,802	20,552	27,707	18,551	15,001	23,502	19,250	25,908	17,030	14,881
Dale	42	5	29,281	27,151	31,513	20,757	21,366	27,583	20,333	30,252	19,308	19,392	28,040	24,845	30,185	20,272	20,802
Dallas	84	4	45,466	40,854	52,783	30,432	27,969	46,048	41,903	53,225	38,217	40,384	45,136	39,765	51,018	34,938	36,406
Dekalb	40	1	24,188	19,255	23,004	13,891	13,669	22,616	18,616	22,581	13,391	13,043	23,591	17,551	21,110	10,611	12,289
Elmore	54	4	30,746	27,248	32,008	24,168	18,382	30,532	27,215	32,306	23,728	17,165	20,506	25,318	28,262	23,357	17,957
Escambia	20	2	7,637	8,275	9,765	7,699	5,253	7,752	8,028	10,322	8,116	5,266	7,581	7,842	9,132	7,452	4,924
Etowah	40	—	17,838	14,285	19,687	13,251	10,208	17,388	13,831	19,470	12,504	9,344	17,342	11,966	17,236	11,851	8,938
Fayette	56	2	14,248	12,717	14,349	10,574	8,788	14,282	12,803	14,622	10,944	8,793	13,528	11,622	12,331	9,700	8,062
Franklin	28	4	18,861	11,354	14,576	9,758	8,216	13,955	11,327	14,626	9,693	7,820	13,378	9,759	12,201	8,876	7,765
Geneva	30	3	34,014	29,317	34,269	23,196	20,424	32,681	28,241	33,344	22,593	20,257	33,609	28,009	32,865	22,514	20,025
Greene	20	2	17,625	17,426	21,551	17,430	18,117	18,422	18,844	22,835	18,333	13,214	17,300	16,580	19,965	16,915	12,373
Hale	48	4	26,245	22,707	27,160	17,768	16,838	26,618	24,251	28,518	18,010	16,609	25,404	22,082	26,307	17,343	16,245
Henry	45	3	27,219	25,585	32,998	22,636	25,252	27,910	26,250	33,335	22,595	25,015	26,747	24,845	30,841	22,064	21,704
Houston	34	4	35,491	30,536	37,300	22,354	24,007	35,889	31,855	38,717	22,505	23,879	34,049	29,392	34,865	21,426	23,665
Jackson	32	4	15,565	11,690	14,181	8,840	8,484	16,091	11,999	14,001	9,102	8,565	14,694	10,450	11,647	7,267	8,163
Jefferson	53	6	7,637	7,212	10,932	5,937	4,905	7,992	7,291	11,080	6,000	4,991	7,494	6,195	9,312	5,222	4,489
Lamar	44	2	15,330	12,000	17,068	13,599	10,404	15,523	12,996	17,495	13,800	10,281	14,795	11,766	14,820	12,743	9,344
Lauderdale	43	1	22,983	17,479	23,436	17,306	18,100	22,005	17,934	24,111	17,469	13,087	21,707	15,454	19,863	15,754	12,715
Lawrence	27	6	19,018	14,934	18,687	14,573	12,900	10,870	15,499	18,825	14,631	13,176	18,502	13,182	15,590	12,771	12,398
Lee	42	4	32,583	29,239	30,610	29,268	24,237	33,854	20,109	40,202	20,373	24,455	31,502	28,326	37,471	28,532	23,270
Limestone	32	1	14,493	18,012	24,755	17,340	13,938	22,146	10,132	26,458	18,328	14,515	21,276	15,557	20,742	15,300	13,600
Lowndes	63	6	34,107	30,465	44,060	30,732	24,637	35,698	31,529	45,823	31,650	24,660	33,634	29,608	41,573	29,976	23,986
Macon	30	—	32,031	28,019	38,164	26,632	20,651	32,223	27,515	38,645	26,585	20,668	31,524	27,309	36,699	26,352	19,936
Madison	50	4	31,236	24,354	28,099	23,508	19,536	32,398	25,591	20,543	24,349	10,911	30,834	22,176	25,175	21,299	18,903
Marengo	40	4	33,493	33,673	41,778	28,571	27,874	34,277	34,245	48,416	28,874	27,668	33,008	31,067	38,945	28,012	26,424
Marion	44	1	14,890	11,968	15,453	10,217	8,443	14,010	12,023	15,870	10,334	8,293	14,555	10,817	13,774	9,244	8,018
Marshall	47	2	30,334	24,017	29,158	19,238	16,843	28,945	23,460	28,200	18,191	15,724	20,622	21,448	26,374	16,263	15,397
Mobile	4	2	264	301	909	879	502	242	292	874	889	497	228	221	464	704	2,277
Monroe	72	1	22,530	23,704	29,085	21,661	19,132	22,877	24,766	30,749	23,005	19,660	21,818	21,038	28,025	20,494	18,342
Montgomery	55	2	45,059	44,161	59,351	38,300	34,300	47,480	40,587	62,680	30,894	35,195	44,066	42,313	56,406	37,296	32,309
Morgan	36	3	22,071	18,477	23,452	10,784	13,675	22,883	10,005	24,484	17,445	13,845	21,629	16,511	20,626	14,535	12,804
Perry	50	5	32,326	30,767	32,586	23,043	30,505	34,001	32,195	33,009	23,000	20,713	31,759	29,151	31,252	22,087	28,965
Pickens	40	10	17,441	15,924	21,708	19,127	13,252	17,804	16,816	22,255	19,672	12,775	17,007	15,100	18,623	18,042	12,353
Pike	45	9	42,473	40,562	48,623	32,236	28,307	44,299	42,314	50,568	33,132	28,781	42,287	38,229	46,654	32,057	28,091
Randolph	65	1	23,618	19,995	26,706	17,893	15,416	22,711	18,971	25,526	16,494	13,693	22,605	17,955	24,312	16,523	13,868
Russell	62	5	31,460	25,151	37,877	27,626	20,482	32,228	25,428	38,968	28,234	19,945	29,047	23,332	34,673	25,901	19,499
St. Clair	28	—	12,182	9,920	13,671	8,789	6,987	12,314	10,005	13,933	8,768	6,691	11,817	9,152	12,555	8,282	6,277
Shelby	26	4	12,670	10,332	15,453	10,570	8,541	12,840	10,893	15,719	10,819	9,643	12,394	9,064	14,286	10,225	7,784
Sumter	35	11	15,713	19,436	23,652	19,677	15,658	16,206	19,996	24,612	19,610	15,110	15,040	18,243	21,451	19,058	14,711
Talladega	47	1	30,902	29,030	39,024	29,242	22,688	36,836	29,137	38,960	29,324	22,208	36,145	27,559	36,058	28,364	21,171
Tallapoosa	52	7	30,680	28,716	37,206	28,511	24,999	30,253	27,782	35,924	27,310	23,590	29,464	27,240	34,390	27,703	23,426
Tuscaloosa	75	4	22,024	19,570	20,040	19,860	16,623	22,860	20,254	26,904	20,634	16,997	21,244	18,395	23,065	18,547	15,406
Walker	40	5	8,225	7,184	9,498	5,802	4,507	8,205	7,114	9,401	5,616	4,434	7,983	6,549	8,122	5,296	4,307
Washington	16	9	1,607	2,260	4,431	3,568	3,205	1,655	2,287	4,629	3,755	3,303	1,500	2,053	3,795	3,236	2,833
Wilcox	66	6	30,058	28,299	39,169	25,000	27,099	30,198	28,627	40,426	25,286	27,196	20,669	27,272	37,600	24,542	26,511
Winston	31	2	9,058	6,977	9,141	5,323	4,450	8,339	6,584	8,717	4,985	4,102	8,855	6,248	7,368	4,756	4,308

ARKANSAS.

[See map on page 72.]

The state	1,923	157	1,038,293	770,937	908,014	798,156	697,603	1,072,846	792,048	939,302	821,233	713,463	885,979	703,329	746,802	676,259	642,322
Arkansas	12	—	6,030	5,207	6,480	4,924	3,576	6,201	5,379	6,857	5,078	3,592	4,839	4,846	4,804	4,167	3,323
Ashley	22	3	21,903	16,823	12,199	12,826	14,665	22,895	17,627	12,411	13,077	15,633	18,286	16,041	11,005	12,543	13,537
Baxter	29	1	2,645	2,236	3,151	3,641	3,479	2,022	2,282	3,199	3,073	3,507	2,330	2,037	2,424	2,544	3,334
Boone	4	1	581	481	956	882	679	590	480	981	913	729	458	413	730	632	611
Bradley	22	1	7,468	5,718	4,481	3,879	3,615	7,450	5,833	4,712	3,908	3,537	7,116	5,557	4,035	3,743	3,529
Calhoun	22	—	6,834	5,864	4,784	3,941	3,667	7,214	5,862	4,774	3,906	3,613	6,408	5,711	4,294	3,561	3,454
Chicot	31	6	22,307	10,427	11,962	20,354	21,940	22,804	10,152	11,744	20,301	22,875	16,276	6,836	6,637	16,192	16,775
Clark	36	6	13,607	9,533	10,800	9,497	7,219	14,042	9,562	10,750	9,417	7,043	12,617	9,236	10,026	9,281	7,040
Clay	18	—	12,194	11,575	17,740	12,877	11,683	12,548	11,936	20,011	13,851	12,241	11,461	10,13			

COTTON PRODUCTION: 1913.

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—				
	Ac-tive.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909					
ARKANSAS—Continued.																	
Izard.....	42	6	5,447	4,064	5,192	4,547	4,815	5,292	4,116	5,283	4,712	4,797	5,092	3,867	4,442	3,677	4,735
Jefferson.....	33	1	32,927	20,949	28,755	27,191	23,228	33,427	21,024	29,537	27,811	23,539	26,652	19,228	21,528	21,508	22,545
Jefferson.....	79	5	60,047	38,837	32,745	30,229	35,305	60,900	39,155	33,282	30,880	35,503	40,489	33,925	26,231	24,535	23,930
Johnson.....	19	1	11,433	11,079	12,639	13,830	8,832	11,357	11,057	12,715	14,126	8,968	10,252	10,496	10,454	11,932	8,539
Lafayette.....	20	2	13,775	11,096	10,634	6,882	4,271	14,293	11,422	10,959	7,082	4,312	12,528	10,835	10,073	6,773	4,069
Lawrence.....	28	1	17,794	11,289	18,251	16,165	14,887	18,153	11,646	19,485	16,954	14,827	15,808	9,950	14,322	11,855	14,849
Lee.....	39	2	27,329	17,415	24,249	17,540	20,400	30,559	20,006	27,684	19,347	22,371	20,953	14,672	18,295	13,519	17,270
Lincoln.....	32	6	22,084	17,281	13,995	13,089	12,880	21,974	17,461	14,121	13,322	13,042	17,053	14,519	10,797	10,601	10,399
Little River.....	14	3	14,616	13,820	13,515	9,526	5,278	15,648	14,277	13,840	6,659	5,392	13,430	13,221	12,559	9,496	4,936
Logan.....	39	5	20,122	19,135	23,396	21,885	13,858	20,657	19,759	24,065	22,331	14,512	19,116	15,613	21,517	20,168	13,516
Lonoke.....	53	4	41,172	27,621	25,411	25,810	26,893	43,683	28,046	26,132	26,342	27,189	31,373	25,560	20,111	20,952	24,288
Marion.....	21	1	2,128	1,545	2,337	2,551	2,065	2,136	1,568	2,428	2,629	2,129	1,813	1,250	1,843	1,751	1,946
Miller.....	24	6	12,583	10,461	9,848	6,680	3,977	13,001	10,729	10,055	6,768	3,948	10,906	9,949	8,894	6,273	3,749
Mississippi.....	46	2	47,180	28,090	54,084	41,237	34,702	49,765	29,697	57,740	45,146	37,034	38,526	23,184	41,105	31,340	30,030
Monroe.....	20	4	16,170	11,097	10,592	11,266	12,789	18,101	12,054	18,138	12,242	13,782	14,067	10,115	12,342	9,699	11,796
Montgomery.....	26	4	3,922	3,791	5,266	4,845	3,017	3,884	3,550	5,064	4,704	2,812	3,833	3,487	4,751	4,565	2,967
Nevada.....	29	1	13,043	10,950	11,759	8,787	7,554	13,280	11,177	11,627	8,822	7,439	12,717	9,685	10,786	7,564	7,450
Newton.....	6	2	555	353	614	453	486	537	630	477	489	398	252	235	285	394	
Ouachita.....	38	2	9,304	8,292	7,904	6,646	6,532	9,395	8,242	7,247	6,263	6,542	8,829	7,957	6,794	6,402	6,167
Perry.....	16	3	6,190	5,167	5,887	6,541	4,322	6,277	5,265	5,960	6,614	4,385	5,722	4,956	5,100	5,658	4,080
Phillips.....	36	1	40,737	24,414	31,854	24,655	19,962	43,385	26,294	33,485	26,307	20,357	30,848	20,992	24,429	19,124	17,865
Pike.....	17	2	4,101	2,896	3,387	2,632	1,980	4,130	2,835	3,413	2,685	1,918	3,897	2,879	3,153	2,473	1,932
Poinsett.....	9	1	7,005	3,868	9,361	7,103	4,605	7,316	4,079	9,881	7,630	4,909	5,616	3,007	6,100	5,952	4,385
Polk.....	15	1	3,619	3,915	5,865	3,666	2,008	3,644	3,895	6,101	3,634	1,916	3,537	3,859	5,391	3,485	1,994
Pope.....	29	2	21,461	20,884	19,028	19,251	16,995	21,568	20,341	19,192	19,374	16,641	19,827	19,134	15,941	16,127	15,820
Prairie.....	18	1	9,299	7,109	8,627	5,781	6,074	9,794	7,486	8,912	6,017	6,214	7,865	6,587	6,413	4,650	5,588
Pulaski.....	50	6	24,230	18,087	16,941	13,222	17,534	24,362	18,756	16,693	18,669	18,288	18,266	14,785	12,306	10,254	14,595
Randolph.....	17	4	8,485	5,214	11,139	9,174	7,793	8,923	5,381	11,721	9,268	7,720	7,817	4,680	8,422	7,548	7,588
St. Francis.....	28	3	26,336	15,048	23,325	19,008	20,491	27,484	15,563	24,011	20,809	21,118	21,370	12,542	18,487	16,543	19,233
Saline.....	23	1	7,436	5,062	4,741	5,320	3,523	7,610	5,420	4,716	5,175	3,319	6,205	5,362	4,441	4,493	3,239
Scott.....	24	1	8,983	7,155	12,648	9,845	5,832	9,060	7,129	12,691	9,784	5,749	8,536	6,904	11,101	9,520	5,740
Searcy.....	10	3	1,795	1,396	2,396	2,096	1,792	1,959	1,425	2,477	2,156	1,854	1,609	1,209	2,055	1,646	1,696
Sebastian.....	21	1	14,800	11,880	19,049	13,719	7,748	14,957	12,167	19,441	13,768	7,914	14,086	11,450	17,095	13,031	7,557
Sevier.....	18	3	7,541	7,498	7,697	5,962	4,143	7,886	7,639	7,731	6,003	4,143	7,393	7,394	7,303	5,813	4,101
Sharp.....	23	1	4,068	3,454	4,642	4,331	3,787	4,819	3,441	4,645	4,867	3,774	4,508	3,293	3,079	3,673	3,681
Stone.....	19	4	1,170	827	1,342	1,161	1,300	1,151	820	1,372	1,141	1,307	925	712	1,045	777	1,275
Union.....	53	2	15,431	11,430	6,238	5,780	7,687	15,258	11,505	6,374	5,727	7,589	14,363	11,124	5,371	5,245	6,301
Van Buren.....	17	1	5,225	5,027	5,271	4,821	3,272	5,449	5,332	5,540	5,111	3,415	4,918	4,898	4,671	3,928	3,125
White.....	44	1	22,171	16,207	10,346	15,815	11,511	22,579	16,333	16,608	16,150	11,675	20,637	15,614	13,314	13,501	11,140
Woodruff.....	19	1	25,347	17,601	19,730	15,701	20,224	27,006	18,625	20,964	16,787	21,240	20,568	15,465	14,214	12,552	19,026
Yell.....	43	1	24,051	20,694	23,225	21,293	17,265	24,710	21,508	23,645	21,407	17,643	22,070	19,356	19,200	18,621	16,609

FLORIDA.

[See map on page 73.]

The state...	221	65	66,700	58,833	94,471	67,172	61,877	58,695	52,760	83,388	58,949	54,011	63,082	52,895	81,952	60,082	58,556
Alachua.....	22	6	6,090	5,203	9,839	7,027	5,695	4,197	3,658	7,015	5,016	3,949	5,833	4,661	9,055	6,391	5,288
Baker.....	3	1	807	471	1,162	1,075	899	633	351	891	879	694	773	808	1,033	868	849
Bradford.....	11	3	2,673	1,899	4,855	3,251	3,302	1,923	1,443	3,562	2,324	2,402	2,596	1,660	4,407	2,922	3,231
Columbia.....	14	2	2,607	1,633	3,192	2,577	2,432	2,018	1,226	2,512	2,096	1,873	2,576	1,482	3,061	2,554	2,394
Escambia.....	4	2	514	1,182	1,917	1,574	1,122	554	1,221	1,796	1,623	1,085	487	1,057	1,764	1,617	901
Gadsden.....	8	3	735	1,040	2,084	1,358	586	709	1,023	2,995	1,349	597	313	387	542	321	348
Hamilton.....	8	6	3,805	2,524	4,196	3,515	3,756	2,596	1,659	2,837	2,339	3,560	2,086	3,499	2,963	3,495	3,495
Holmes.....	12	6	3,747	3,151	4,188	2,047	1,934	3,649	3,167	4,209	1,987	1,830	3,473	2,853	3,789	1,841	1,523
Jackson.....	24	3	18,285	16,233	21,385	15,522	14,768	18,079	16,473	21,269	15,594	15,135	17,842	15,255	19,977	15,031	14,545
Jefferson.....	21	6	4,683	3,571	6,615	4,540	4,872	4,336	3,255	6,527	4,002	4,575	4,419	3,442	6,084	4,255	4,745
Lafayette.....	5	1	697	628	1,045	814	638	516	504	836	638	508	605	581	1,004	756	608
Leon.....	16	2	4,055	4,019	6,267	5,516	4,475	3,921	3,844	6,050	5,155	4,129	3,890	3,810	5,949	5,023	4,362
Madison.....	14	6	5,340	5,287	11,021	7,853	7,830	4,347	4,326	9,006	6,815	6,345	4,925	4,577	8,778	6,870	7,546
Santa Rosa.....	17	2	2,203	3,037	4,054	2,741	2,039	2,138	3,043	3,798	2,621	1,903	2,164	2,678	3,480	2,266	1,836
Suwanee.....	15	3	4,616	4,391	5,678	3,976	4,296	3,439	3,391	4,353	3,117	3,396	4,295	3,993	5,023	3,392	4,188
Taylor.....	3	1	181	231	363	323	217	141	154	292	278	162	160	199	319	294	199
Walton.....	11	9	2,768	1,727	2,834	1,797	1,358	2,753	1,583	2,708	1,570	1,233					

COTTON PRODUCTION: 1913.

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—				
	Active.	Idle.	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909					
GEORGIA—Continued.																	
Bulloch.....	73	14	41,867	22,506	40,279	31,153	29,337	38,996	20,597	37,979	28,248	26,745	30,277	20,617	33,970	26,598	27,447
Burke.....	99	13	52,687	34,262	57,084	38,949	40,285	55,560	34,844	59,781	40,406	43,443	49,320	32,782	46,984	36,495	38,758
Butts.....	20	2	14,958	12,546	18,367	12,064	13,610	15,485	13,049	18,881	13,087	13,991	14,181	11,574	16,860	12,134	13,218
Calhoun.....	21	1	17,799	14,408	20,592	13,683	13,548	17,443	14,373	20,522	13,456	13,350	17,444	13,712	19,888	13,128	13,425
Campbell.....	22	5	14,365	10,722	16,409	11,777	10,499	14,552	10,681	16,753	11,690	10,249	13,750	9,244	14,834	10,846	9,845
Carroll.....	47	2	39,878	32,364	44,421	32,781	28,375	37,844	30,467	41,569	30,218	25,855	38,464	27,895	41,193	30,590	25,560
Catoosa.....	7	1	1,766	1,421	2,353	993	807	1,660	1,320	2,118	873	698	1,707	1,286	200	308	403
Chattoahoochee.....	30	3	6,236	6,339	8,987	6,006	5,326	6,401	6,377	9,079	5,903	5,225	5,792	5,792	7,976	5,601	5,132
Chattooga.....	20	2	13,664	10,611	14,442	9,092	8,132	12,811	9,841	14,439	8,492	7,524	13,284	9,777	13,269	7,745	7,754
Cherokee.....	49	2	12,727	10,180	14,864	9,588	9,439	11,050	8,828	13,226	8,746	8,025	11,979	8,927	13,651	8,617	8,705
Clarke.....	18	5	13,291	10,995	15,646	11,108	9,350	13,025	10,472	15,224	10,648	8,843	11,952	10,378	14,420	10,291	8,685
Clay.....	21	2	13,333	10,049	15,963	10,307	12,218	13,044	10,322	16,825	10,598	12,734	13,136	9,861	15,161	10,287	12,196
Clayton.....	19	4	12,459	10,049	16,256	11,532	10,444	12,040	9,947	16,132	11,384	10,262	11,527	9,032	14,982	10,297	9,752
Clinch.....	6	4	1,171	1,051	1,607	930	1,206	963	839	1,370	785	989	889	701	1,223	718	1,129
Cobb.....	46	3	20,180	16,733	25,668	18,418	17,259	18,723	15,374	23,250	16,554	15,678	19,171	14,377	23,500	16,263	16,035
Coffee.....	27	6	19,453	13,409	20,389	12,315	11,967	18,185	12,128	18,128	10,879	10,476	18,205	11,540	17,160	11,014	11,127
Colquitt.....	19	2	22,405	17,414	24,978	13,468	12,092	22,147	16,796	24,547	12,887	11,350	21,953	16,682	23,047	12,962	11,962
Columbus.....	33	9	16,185	10,479	20,633	12,474	15,078	16,891	10,448	20,910	12,721	15,484	16,310	10,217	12,225	11,247	14,739
Coweta.....	38	5	30,500	28,609	44,985	32,357	27,414	30,552	28,182	45,609	32,622	26,915	27,857	25,749	41,232	30,551	25,551
Crawford.....	25	3	6,453	5,891	8,500	5,966	5,908	6,503	5,909	10,621	6,017	5,908	5,830	5,814	9,414	5,830	5,654
Crisp.....	25	4	24,283	22,093	26,730	14,834	17,920	24,196	21,885	26,880	15,068	17,881	23,724	20,965	24,164	14,391	17,362
Dawson.....	13	3	2,054	1,645	2,757	1,641	2,085	1,760	1,380	2,272	1,339	1,705	1,843	1,235	2,377	1,301	1,916
Decatur.....	20	3	14,854	11,660	18,321	11,978	10,775	15,023	11,444	18,581	11,961	10,689	14,271	10,689	16,311	11,120	10,457
DeKalb.....	32	1	12,513	9,563	16,463	10,087	9,687	12,032	6,467	15,910	9,655	9,026	11,696	8,173	15,314	8,822	9,072
Dodge.....	34	1	34,503	22,617	37,622	23,069	27,539	34,758	22,816	38,480	23,506	23,307	33,087	21,907	33,777	22,589	26,650
Dooley.....	32	7	39,365	29,953	46,509	27,066	33,532	40,373	30,163	47,569	27,196	34,149	37,958	28,097	40,528	26,416	32,744
Dougherty.....	24	4	17,362	15,536	22,587	13,050	15,073	17,782	13,080	23,306	13,118	15,154	16,405	14,576	20,386	12,347	14,739
Douglas.....	19	1	10,549	8,114	11,734	8,302	7,603	9,988	7,483	10,861	7,678	6,901	10,159	6,970	10,872	7,471	6,820
Early.....	16	4	19,386	16,316	21,778	14,717	14,152	19,882	16,779	23,215	15,353	14,925	18,949	15,440	20,497	14,385	13,869
Echols.....	3	1	89	224	530	417	516	73	168	437	342	405	89	208	489	375	498
Effingham.....	18	4	4,321	3,291	4,930	3,566	3,251	4,197	3,102	4,791	3,420	3,165	3,984	2,751	4,147	3,143	2,692
Elbert.....	39	6	22,615	16,047	27,797	18,417	18,100	21,353	14,834	25,800	16,859	17,010	21,431	14,733	25,837	18,015	17,391
Emmanuel.....	37	3	41,208	22,934	39,699	27,720	24,609	41,394	23,031	40,789	27,240	24,411	38,121	21,593	33,038	25,079	23,753
Fayette.....	18	5	13,669	12,104	19,718	13,476	13,037	13,491	12,211	20,022	13,511	13,123	12,484	11,258	17,888	12,805	12,585
Floyd.....	46	4	21,913	17,415	23,942	16,018	13,242	20,905	17,154	22,874	15,249	13,090	21,050	15,658	21,668	14,624	12,113
Forsyth.....	40	5	10,719	9,528	14,827	10,186	10,520	9,482	8,246	13,030	8,776	8,803	9,769	7,307	13,468	8,345	9,560
Franklin.....	47	6	25,253	20,728	30,563	22,276	19,431	23,859	19,831	29,029	21,046	18,145	22,707	18,810	28,157	21,330	18,442
Fulton.....	10	2	2,544	1,768	3,518	2,612	2,532	2,448	1,680	3,246	2,509	2,197	2,303	1,506	2,417	2,303	2,138
Glascok.....	15	4	3,874	3,156	5,253	2,744	4,421	3,980	3,568	5,537	2,876	4,562	3,645	2,770	4,713	2,497	4,230
Gordon.....	18	4	15,144	13,819	18,456	10,637	9,447	14,644	13,474	17,785	10,294	9,345	14,732	12,436	14,424	9,078	8,893
Grady.....	18	4	6,123	5,822	9,039	6,092	5,607	5,840	5,477	8,713	5,603	4,810	5,705	5,216	8,031	5,542	5,431
Greene.....	26	5	18,158	14,523	25,379	14,234	16,123	18,252	14,697	25,709	14,295	16,304	17,350	13,782	23,015	13,862	15,337
Gwinnett.....	73	7	20,878	21,053	34,403	21,763	22,472	28,265	19,934	32,444	19,639	20,562	27,925	19,066	32,170	19,467	21,041
Habersham.....	12	1	1,841	1,433	2,074	1,206	847	1,610	1,294	1,832	1,054	774	1,711	1,278	1,606	1,019	793
Hall.....	69	7	17,282	14,395	23,207	15,233	14,665	14,914	12,881	20,134	13,082	12,493	15,110	11,295	20,359	12,902	13,191
Hancock.....	35	6	18,259	15,766	25,636	14,603	16,698	18,274	15,832	25,933	14,678	16,908	17,997	15,499	23,230	14,453	16,432
Haralson.....	21	0	12,534	10,176	15,302	10,040	8,138	11,594	9,319	13,845	8,980	7,150	12,132	8,870	14,813	9,320	7,463
Harris.....	37	5	24,568	22,500	30,915	22,939	19,837	24,689	22,132	31,416	22,902	19,694	23,018	21,710	29,239	22,440	19,105
Hart.....	38	6	22,224	15,223	25,468	18,211	15,066	21,409	14,611	24,622	17,268	14,751	20,885	14,138	24,415	17,619	15,210
Heard.....	23	6	13,816	12,525	21,900	14,700	13,708	13,493	12,272	21,689	14,285	13,280	13,310	11,709	20,645	14,335	12,634
Henry.....	31	1	28,657	21,926	34,600	25,113	25,744	29,269	22,268	34,542	24,581	25,404	26,048	20,057	32,820	23,604	24,145
Houston.....	65	7	22,554	15,841	31,735	17,137	25,778	22,552	10,218	32,425	17,367	20,309	21,322	15,339	29,304	16,713	25,015
Irwin.....	14	2	10,519	13,794	22,090	13,099	12,605	18,625	12,720	21,723	12,191	11,501	18,506	13,233	20,010	12,568	11,986
Jackson.....	79	3	44,550	34,070	53,335	37,522	32,847	41,913	31,971	49,719	35,033	30,357	40,098	30,686	48,365	34,922	30,623
Jasper.....	34	2	26,224	22,108	31,400	20,997	24,610	26,943	22,997	32,794	22,895	25,117	24,253	20,955	30,965	20,428	23,007
Jeff Davis.....	6	1	4,284	3,288	5,277	2,797	2,205	4,182	3,150	5,098	2,613	2,082	4,174	3,079	4,404	2,712	2,036
Jefferson.....	44	6	28,311	20,546	33,454	21,575	27,109	29,545	20,751	34,063	21,886	27,057	26,933	19,924	30,290	20,819	26,540
Jonkins.....	47	5	21,152	12,171	23,085	16,643	13,251	21,152	12,5								

COTTON PRODUCTION: 1913.

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTY—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.									NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—					
	Ac-tive.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—				1913	1912	1911	1910	1909	
			1913	1912	1911	1910	1909	1913	1912	1911	1910						1909
GEORGIA—Continued.																	
Montgomery ¹	17	1	16,082	11,187	27,447	17,187	16,881	16,208	17,204	28,402	17,204	16,911	15,141	10,409	24,501	16,679	16,245
Morgan.....	33	7	27,505	23,238	37,974	23,259	25,689	27,400	23,698	27,989	23,087	25,782	25,328	21,502	34,016	21,843	23,957
Murray.....	8	3	3,475	3,280	3,500	1,710	2,863	3,042	2,715	3,008	1,564	2,593	3,431	3,029	3,177	1,554	2,811
Muscogee.....	18	4	7,940	7,591	8,857	6,916	5,907	7,883	7,495	8,682	6,717	7,582	7,504	7,205	8,422	6,745	5,798
Newton.....	26	1	24,230	19,741	30,983	19,793	20,026	23,847	20,203	31,547	20,074	20,134	22,995	18,230	28,296	18,393	18,611
Oconee.....	18	1	17,744	12,845	20,367	13,917	13,400	17,563	12,997	20,579	13,825	13,317	16,880	12,505	18,712	13,387	12,776
Oglethorpe.....	47	5	25,439	21,080	31,713	18,723	19,918	26,275	20,650	31,383	18,206	19,221	24,069	19,474	27,957	17,483	18,675
Pickens.....	20	3	11,926	9,505	13,244	9,573	9,252	10,060	8,497	11,528	8,212	8,282	11,530	8,165	12,523	8,740	8,570
Pulaski.....	17	2	3,183	2,768	3,799	2,338	2,169	2,964	2,459	3,248	1,974	1,851	2,957	2,486	3,441	1,953	2,075
Pierce.....	14	3	4,931	3,183	7,340	3,538	4,440	3,885	2,432	5,718	2,731	3,292	4,500	2,317	6,033	2,810	3,066
Pike.....	27	2	23,204	20,783	28,923	21,282	19,419	23,348	21,037	29,357	21,200	19,372	21,873	19,925	26,872	20,714	18,905
Polk.....	30	2	17,718	13,400	19,875	13,941	10,212	17,176	12,809	18,961	12,306	9,428	17,172	11,967	18,209	12,322	9,560
Pulaski ²	16	5	16,895	12,040	35,924	21,190	27,840	17,953	12,529	37,454	21,610	29,037	16,341	11,515	32,242	20,867	27,320
Putnam.....	38	2	14,419	11,929	20,077	11,779	13,911	14,407	12,528	20,611	11,937	13,903	13,541	11,111	17,464	11,512	13,305
Quitman.....	16	2	5,347	5,105	6,753	4,684	5,453	5,363	5,095	6,730	4,643	5,345	5,136	4,716	6,255	4,567	5,357
Randolph.....	29	7	28,153	24,084	31,799	19,358	24,357	27,967	23,756	31,799	19,052	22,944	27,745	22,685	30,173	18,736	23,873
Richmond.....	19	3	10,765	7,573	13,473	7,115	8,729	10,806	7,567	13,648	7,025	8,883	10,136	6,519	11,866	6,641	8,317
Rockdale.....	19	—	10,530	7,375	11,595	6,819	7,151	10,545	7,301	11,593	6,571	6,861	9,922	6,506	10,753	6,008	6,578
Schley.....	11	5	6,928	6,906	9,064	5,997	6,594	6,961	6,988	9,186	6,026	6,593	6,707	6,508	8,211	5,398	6,543
Screven.....	99	12	34,351	21,498	34,049	24,703	23,698	34,615	21,528	34,147	23,898	23,058	31,217	19,971	28,674	22,139	22,583
Spalding.....	27	2	18,526	17,386	24,812	16,339	14,363	18,515	17,689	24,812	16,430	14,420	16,224	15,672	21,972	15,275	13,588
Stephens.....	19	1	7,287	5,558	8,276	5,480	5,124	6,830	5,027	7,485	4,966	4,618	6,546	4,795	7,674	4,934	4,761
Stewart.....	27	5	16,178	15,295	20,955	13,125	13,606	16,417	15,705	21,416	13,172	13,723	15,184	13,420	19,105	12,404	13,377
Sumter.....	84	10	30,005	18,453	48,207	26,827	34,600	39,867	35,495	49,464	27,104	34,201	36,906	31,652	42,790	25,754	33,520
Talbot.....	27	2	11,443	11,070	14,247	10,615	10,130	11,608	11,331	14,486	10,687	9,984	10,752	10,561	13,352	10,467	9,025
Taliaferro.....	16	4	10,013	7,577	12,981	7,512	8,876	10,063	7,719	13,438	7,529	8,887	9,782	7,292	11,451	7,386	8,504
Tattnall.....	35	11	21,340	10,386	21,338	14,366	13,432	18,546	9,128	18,802	12,617	11,777	19,737	8,580	17,082	12,128	12,306
Taylor.....	23	5	12,493	10,784	14,988	10,012	9,517	12,048	11,010	15,243	10,062	9,641	11,968	9,712	13,479	9,641	9,175
Telfair.....	35	4	16,350	12,311	18,340	12,429	12,733	16,657	12,181	18,186	12,305	12,425	15,151	11,252	15,809	11,758	12,092
Terrell.....	31	4	38,614	33,360	44,970	27,200	34,749	38,189	32,419	43,756	28,777	34,172	37,598	31,990	43,612	27,023	34,502
Thomas.....	20	8	22,634	16,921	25,233	16,292	17,838	23,696	16,056	25,061	15,140	17,427	21,745	15,880	23,922	15,781	17,565
Tift.....	15	—	16,412	9,885	14,970	8,194	9,805	16,195	9,582	14,808	7,940	9,610	15,828	9,166	13,669	7,897	9,640
Toombs.....	15	2	13,542	7,702	14,167	10,330	10,480	13,398	7,112	14,238	9,821	10,011	12,293	6,863	12,160	9,396	10,131
Troup.....	26	3	25,052	21,084	33,654	24,046	20,565	24,942	23,650	34,603	25,315	19,693	23,776	22,331	31,298	24,298	19,345
Turner.....	17	1	22,151	16,373	22,411	12,858	11,956	22,337	16,514	22,752	12,871	12,049	21,608	15,966	20,778	12,471	11,649
Twiggs.....	30	8	12,592	9,087	17,208	10,610	11,020	12,809	8,624	17,893	10,655	10,705	11,978	8,726	14,646	10,387	10,624
Upson.....	23	2	15,407	13,375	18,653	13,237	12,205	15,413	13,420	18,985	13,150	12,037	14,460	12,616	17,479	12,844	11,714
Walker.....	15	1	7,885	6,101	8,752	4,351	4,334	7,513	5,885	8,395	4,022	4,124	7,799	5,780	8,047	3,846	4,121
Walton.....	47	—	45,801	32,200	50,662	32,113	30,866	44,345	31,942	50,368	31,862	30,304	43,105	30,516	46,530	30,465	20,047
Ware.....	5	1	1,602	1,012	1,497	1,002	1,079	1,333	822	1,200	820	877	1,490	869	1,272	835	1,005
Warren.....	27	1	12,422	8,400	16,351	8,869	11,649	12,844	8,457	17,048	9,100	12,327	11,918	8,147	13,725	8,623	11,420
Washington.....	56	7	28,832	22,957	37,086	24,171	28,522	29,674	23,255	38,443	24,393	28,944	27,586	21,753	32,256	23,264	27,673
Wayne.....	15	3	5,031	2,442	5,693	3,115	3,666	4,270	1,861	4,546	2,376	2,732	4,767	1,837	4,438	2,415	3,129
Webster.....	18	5	5,422	4,380	7,161	4,462	4,545	5,350	4,405	7,387	4,474	4,533	5,157	4,148	6,159	4,258	4,300
Wheeler ¹	8	1	8,072	5,817	.....	.....	.....	8,162	5,816	.....	.....	.....	7,737	5,331	.....	.....	.....
White.....	4	3	664	686	1,112	250	383	581	617	982	219	350	629	578	833	203	327
Whitfield.....	16	2	6,242	5,012	6,932	4,169	4,465	5,714	4,581	6,280	3,648	3,894	6,160	4,624	6,375	3,358	4,249
Wilcox.....	21	—	26,776	18,361	25,974	16,743	17,192	27,178	19,073	26,379	16,599	17,446	25,745	16,439	22,819	16,586	16,317
Wilkes.....	47	10	26,936	22,634	34,990	20,715	27,111	27,771	23,263	36,299	20,925	27,626	25,363	21,288	30,470	19,833	26,014
Wilkinson.....	37	3	8,764	6,684	10,179	5,977	7,498	8,568	6,516	10,370	5,857	7,356	8,274	6,274	9,094	5,774	7,187
Worth.....	23	—	28,805	17,367	31,460	17,005	19,869	28,425	17,426	31,431	18,115	19,285	27,921	16,587	28,705	17,242	19,161
All other.....	12	5	1,577	869	2,253	675	359	1,456	770	1,943	592	321	893	578	1,172	423	108

LOUISIANA.

[See map on page 75.]

The state..	1,198	327	436,865	374,793	380,826	248,788	258,459	443,821	376,096	384,597	245,648	253,412	391,454	361,123	340,304	233,347	248,643
Acadia.....	10	—	8,668	7,197	7,146	3,889	3,953	8,722	7,184	7,009	3,747	3,726	8,400	7,121	6,240	3,815	3,936
Allen ³	4	—	289	299	—	—	—	259	272	—	—	—	263	85	—	—	—
Ascension.....	3	7	882	161	287	542	4,015	852	156	290	483	3,936	449	114	111	517	3,950
Avoyelles.....	37	5	15,109	12,037	19,515	9,634	8,164	15,816	12,514	20,510	9,547	8,112	14,737	11,927	19,326	9,548	8,091
Beauregard ⁴	4	2	653	586	—	—	—	625	576	—	—	—	472	430			

COTTON PRODUCTION: 1913.

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—					
	Ac-tive.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909	
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909						
LOUISIANA—Continued.																		
Jackson.....	20	2	5,275	5,265	4,198	2,170	1,443	5,226	5,346	4,126	2,037	1,360	4,873	5,097	3,871	2,016	1,333	
La Salle.....	7	2	621	642	744	229	21	599	644	759	228	21	540	583	583	174	3	
Lafayette.....	9	2	10,902	6,986	7,746	6,562	6,075	11,035	6,891	7,676	6,420	5,898	10,026	6,900	7,167	6,553	6,002	
Lincoln.....	39	3	9,390	8,003	6,501	4,841	3,400	9,540	8,241	6,383	4,306	3,321	8,927	7,796	6,022	4,182	3,253	
Madison.....	23	9	6,372	4,385	11,191	8,739	8,876	6,612	4,641	11,751	9,115	9,316	4,677	4,118	7,953	7,158	7,756	
Morehouse.....	31	6	17,608	18,838	14,163	10,540	12,186	17,841	13,992	13,908	10,205	11,822	14,480	17,615	11,256	10,056	11,838	
Natchitoches.....	75	5	25,702	23,284	20,285	13,425	12,444	26,184	21,750	20,741	13,133	12,190	24,041	21,911	17,689	11,542	12,211	
Ouachita.....	42	8	9,857	10,470	9,165	6,121	5,168	9,973	10,286	8,813	5,842	5,141	8,650	10,266	7,855	5,903	4,941	
Pointe Coupee.....	26	36	2,793	10,378	2,650	1,158	3,377	2,808	901	2,690	1,129	3,114	2,058	804	2,392	1,134	3,348	
Rapides.....	38	9	10,283	11,251	9,570	4,594	4,685	10,376	11,732	9,509	4,450	4,506	10,148	11,216	9,275	4,399	4,650	
Red River.....	29	8	15,986	13,587	11,440	5,832	4,701	16,459	13,541	11,829	5,918	4,639	14,020	13,070	10,462	5,577	4,672	
Richland.....	28	2	16,839	16,505	16,004	10,794	8,076	17,135	16,080	16,308	10,902	7,965	15,330	16,294	14,092	10,478	7,834	
Sabine.....	27	2	9,876	7,637	6,353	5,203	5,905	9,804	7,582	6,287	5,144	5,697	8,986	7,176	5,724	4,868	5,723	
St. Helena.....	11	10	8,875	7,757	7,889	888	3,624	823	683	767	838	3,365	834	747	653	882	3,600	
St. Landry.....	47	13	15,574	14,226	16,133	15,373	17,002	14,951	13,950	15,757	14,391	15,968	15,164	14,084	15,004	15,108	16,792	
St. Martin.....	5	9	990	397	1,306	1,479	2,027	682	404	1,376	1,430	2,112	546	364	1,290	1,457	2,025	
Tangipahoa.....	8	4	1,073	642	855	614	3,388	1,064	624	870	478	3,206	648	503	310	605	3,353	
Tensas.....	57	30	8,305	8,399	16,212	10,111	10,882	8,484	8,694	16,392	11,010	11,177	6,078	7,839	14,937	10,237	10,659	
Union.....	45	3	11,264	8,295	4,148	3,751	5,296	11,456	8,380	4,185	3,686	5,153	10,379	8,082	3,425	3,458	5,014	
Vernillon.....	4	4	1,778	1,220	1,183	1,549	2,781	1,852	1,225	1,251	1,728	2,856	1,654	1,150	803	1,530	2,763	
Vernon.....	17	4	1,467	1,078	1,147	947	857	1,434	1,042	1,067	820	800	614	556	457	416	498	
Washington.....	21	5	2,005	1,711	1,440	3,080	8,975	1,875	1,581	1,345	2,926	8,300	1,900	1,673	1,417	2,936	8,530	
Webster.....	26	2	13,432	10,586	9,409	7,075	5,430	14,055	10,823	9,661	7,165	5,404	11,709	10,315	8,664	6,822	6,143	
West Carroll.....	6	...	6,194	5,066	2,787	2,460	3,006	6,330	5,260	2,785	2,502	3,126	5,961	4,961	1,997	2,234	2,787	
West Feliciana.....	5	10	717	856	744	431	1,371	631	831	717	405	1,235	706	848	715	387	1,336	
Winn.....	23	2	3,645	2,553	2,095	1,118	754	3,593	2,393	1,961	1,031	698	3,170	2,386	1,190	833	656	
All other.....	20	49	2,057	652	789	920	4,886	1,997	617	746	859	4,612	1,172	262	342	776	4,651	

MISSISSIPPI.

[See map on page 76.]

The state...	2,409	514	1,251,841	1,004,378	1,169,066	1,212,104	1,073,105	1,310,743	1,046,418	1,203,545	1,262,680	1,083,215	1,084,680	883,458	996,601	1,066,216	956,509
Adams.....	11	19	1,106	1,246	2,204	1,062	1,700	1,023	1,250	2,161	1,084	1,592	952	1,049	2,141	1,020	1,592
Alcorn.....	35	1	10,170	7,719	10,553	7,978	5,030	10,406	7,971	10,935	8,090	5,101	9,825	6,303	8,879	7,380	4,722
Amite.....	24	21	2,586	2,736	1,393	3,633	14,063	2,564	2,747	1,287	3,363	13,245	2,446	2,671	1,281	3,435	13,612
Attala.....	47	4	10,710	12,717	21,431	21,122	13,696	10,575	12,623	21,140	21,097	13,085	10,200	11,958	18,438	19,426	22,097
Benton.....	35	3	8,535	6,141	8,253	6,975	4,447	8,871	6,199	8,514	7,067	4,400	8,273	5,065	6,602	6,389	4,184
Bolivar.....	84	10	112,755	77,658	54,792	71,175	56,131	128,200	84,810	60,354	79,531	61,200	84,937	62,641	45,128	57,082	47,760
Calhoun.....	34	6	13,026	10,750	14,065	9,249	8,671	13,075	11,012	14,630	9,301	8,435	12,455	8,797	11,203	7,480	7,644
Carroll.....	33	11	16,154	16,080	19,705	19,265	14,293	16,393	16,315	19,768	19,444	15,285	14,830	16,147	17,059	12,542	12,542
Catahoula.....	26	3	20,492	15,579	20,708	14,266	13,825	21,545	16,339	21,955	14,902	13,684	19,963	14,591	19,199	13,673	13,400
Choctaw.....	27	3	5,792	7,172	9,345	7,642	5,160	5,640	7,271	9,310	7,623	5,055	5,647	6,540	8,216	6,770	4,355
Claiborne.....	15	13	4,186	3,760	4,341	4,931	8,970	3,820	3,276	2,795	4,289	7,664	4,117	3,743	4,125	4,899	8,893
Clarke.....	19	13	1,654	4,883	12,905	10,122	8,674	1,730	4,073	13,486	10,632	8,846	1,561	4,428	11,245	9,217	7,845
Clay.....	22	4	14,095	10,566	14,014	14,455	9,520	15,538	11,016	14,493	15,473	9,714	14,505	10,064	13,300	12,913	9,231
Coahoma.....	78	9	80,105	63,865	43,127	51,015	49,811	82,236	65,525	45,421	56,698	53,407	56,655	50,632	31,707	37,831	41,140
Copiah.....	26	13	2,540	2,545	5,853	14,265	10,448	2,522	2,407	5,566	14,048	18,705	2,406	2,450	5,521	13,029	18,893
Covington.....	18	4	2,166	2,755	5,218	8,924	7,890	1,978	2,592	4,883	8,628	7,407	1,900	2,617	4,687	8,301	7,113
De Soto.....	33	2	28,889	21,100	29,938	18,388	22,740	29,935	22,687	31,788	19,443	23,536	25,268	17,733	25,116	15,209	19,017
Forrest.....	4	3	979	852	2,382	3,361	2,803	975	840	2,364	3,348	2,737	958	798	2,161	3,200	2,534
Franklin.....	8	20	600	608	690	1,314	5,451	595	587	654	1,183	5,085	570	557	614	1,250	5,421
Grenada.....	25	4	13,706	12,213	15,573	9,901	8,988	13,506	12,511	15,838	9,917	9,306	13,042	10,831	11,758	8,947	7,933
Hinds.....	37	8	18,641	17,798	21,585	30,797	31,035	18,518	17,503	21,356	31,265	29,707	18,323	17,682	21,255	30,202	23,076
Holmes.....	60	15	35,789	30,274	34,819	42,406	29,336	37,132	31,718	36,197	45,075	29,381	32,406	27,682	31,351	38,134	25,020
Issaquena.....	24	4	5,858	8,853	9,404	13,332	11,925	6,164	9,421	9,933	14,111	12,412	3,091	7,194	7,803	9,210	9,069
Itawamba.....	36	4	11,014	8,330	11,197	7,628	7,063	11,525	8,711	11,696	7,805	7,124	10,817	6,720	9,915	7,048	6,790
Jasper.....	25	9	2,640	4,628	12,530	13,887	11,259	2,525	4,298	12,452	13,781	11,007	2,400	4,483	11,482	13,040	10,381
Jefferson.....	19	10	2,986	3,400	4,565	3,593	8,041	2,867	3,086	4,152	3,155	7,370	2,761	3,266	3,970	3,404	7,944
Jefferson Davis.....	13	2	3,561	3,698	6,272	11,621	12,124	3,304	3,514	6,030	11,440	11,714	3,445	3,586	6,121	11,160	11,286
Jones.....	14	4	3,540	5,103	10,842	12,163	10,229	3,291	4,805	10,192	11,679	9,836	3,319	4,741	9,536	11,299	9,313
Kemper.....	66	3	12,547	17,823	21,224	18,772	12,843	13,004	18,482	22,056	19,587	12,792	12,086	15,770	18,318	17,739	9,328
Lafayette.....	59	8	14,537	12,423	15,811	11,834	12,449	14,063	12,329	15,779	11,905	12,332	13,929	10,189	12,230	9,747	11,176
Lamar.....	7	9	359	231	1,373	2,693	2,470	326	215								

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—					
	Ac-tive	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909	
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909						
MISSISSIPPI—Continued.																		
Marion.....	13	5	913	1,131	2,380	5,884	7,816	863	1,081	2,261	5,671	7,488	848	1,047	2,196	5,523	7,165	
Marshall.....	54	0	22,912	19,725	23,024	21,123	14,967	23,256	20,220	24,323	22,052	15,039	21,864	17,084	19,635	18,423	13,944	
Monroe.....	46	5	30,820	19,961	26,856	22,565	18,044	32,981	21,282	29,090	25,165	19,188	30,205	17,778	23,836	21,228	17,525	
Montgomery.....	28	5	11,070	11,119	16,578	17,087	11,838	10,984	11,588	16,791	17,395	11,184	10,727	10,158	13,892	14,912	10,061	
Neshoba.....	41	4	6,165	11,140	18,318	16,119	10,176	5,979	10,870	17,882	15,964	9,647	5,533	10,084	14,235	14,080	8,423	
Newton.....	27	24	2,526	6,948	10,462	17,698	12,507	2,451	6,678	19,178	17,808	12,279	2,216	6,173	16,642	15,952	10,862	
Noxubee.....	43	3	24,508	18,218	21,688	27,489	17,165	25,361	18,881	22,187	29,072	16,945	23,478	17,009	19,326	26,532	15,495	
Oktibbeha.....	25	2	13,312	9,613	12,221	12,927	7,625	13,770	10,323	12,639	13,666	7,513	13,045	9,239	11,459	12,458	7,133	
Panola.....	50	11	35,360	29,019	33,102	20,799	25,502	37,227	30,553	34,838	21,864	25,966	34,013	26,323	29,029	18,871	23,158	
Perry.....	5	1	697	466	1,524	1,439	1,360	694	459	1,512	1,395	1,328	649	404	1,288	1,330	1,161	
Pike.....	41	1	4,182	3,835	3,742	9,121	21,284	4,012	3,651	3,676	8,007	19,442	4,022	3,511	3,356	8,608	19,521	
Pontotoc.....	21	3	10,812	13,788	16,062	10,889	10,777	17,293	14,364	16,518	11,101	10,928	16,528	12,349	14,383	10,321	10,128	
Prentiss.....	28	5	14,440	11,166	12,813	10,832	8,662	14,888	11,374	13,282	11,865	8,943	13,919	9,626	11,264	10,009	8,119	
Quitman.....	29	5	10,881	16,244	14,475	11,792	11,110	20,748	16,868	14,698	12,683	11,563	16,661	13,117	10,542	9,863	9,198	
Rankin.....	23	17	2,073	2,608	7,807	16,117	12,878	1,832	2,419	7,417	15,621	12,435	2,014	2,498	7,141	14,885	11,866	
Scott.....	20	13	1,290	2,058	8,658	11,018	7,921	1,238	1,965	8,469	11,210	7,661	1,186	1,796	7,747	10,182	7,171	
Sharkey.....	29	5	20,173	13,224	15,914	22,138	18,849	23,511	15,133	18,460	24,527	21,345	13,734	11,683	13,465	16,774	14,744	
Simpson.....	19	7	3,302	2,791	5,479	12,277	10,758	3,183	2,520	4,914	11,663	10,082	3,282	2,665	5,247	11,835	10,192	
Smith.....	31	5	2,827	3,659	8,743	13,358	10,702	2,665	3,379	8,101	12,992	10,197	2,747	3,512	8,239	12,825	10,249	
Sunflower.....	66	4	89,770	59,047	48,003	50,715	37,653	97,634	64,113	49,885	52,875	38,677	71,676	50,714	38,672	41,525	34,601	
Tallahatchie.....	53	6	40,176	36,083	37,808	32,467	26,155	50,376	41,173	39,199	33,460	26,715	40,762	33,369	28,261	25,687	23,018	
Tate.....	27	3	20,800	14,814	17,673	11,984	14,862	21,603	15,729	18,532	12,855	15,088	19,550	13,306	15,791	10,852	13,028	
Tippah.....	22	1	10,684	8,403	10,726	8,969	5,500	10,925	8,616	11,035	9,303	5,740	10,245	6,948	8,755	7,997	4,835	
Tishomingo.....	25	5	8,191	6,593	8,209	5,730	4,013	8,471	6,746	8,531	5,712	4,053	7,939	5,723	7,036	5,421	3,846	
Tunica.....	40	5	35,338	25,825	29,519	24,084	27,073	37,381	27,226	31,030	25,404	28,275	26,332	20,695	21,573	18,149	22,196	
Union.....	25	4	13,238	10,867	13,098	10,669	7,915	13,913	11,143	13,520	11,089	8,013	12,946	9,463	11,551	9,838	7,377	
Warren.....	26	14	7,602	5,684	8,177	8,395	11,329	7,497	5,517	7,889	8,031	10,586	5,883	4,969	6,672	6,820	8,943	
Washington.....	76	10	87,412	50,818	45,441	63,485	60,522	98,579	57,297	50,978	72,751	67,648	66,477	44,528	41,374	51,013	50,569	
Wayne.....	18	6	2,217	2,773	5,643	4,221	4,414	2,336	2,907	5,722	4,288	4,516	2,051	2,516	4,701	3,766	3,961	
Webster.....	29	1	11,342	10,533	13,098	11,086	8,059	10,886	10,487	13,556	10,778	7,746	11,101	9,342	11,943	10,211	7,138	
Wilkinson.....	12	29	1,075	936	1,628	1,186	4,358	961	881	1,563	1,152	4,161	859	898	1,524	1,063	4,271	
Winston.....	35	4	8,340	11,750	14,385	13,438	7,730	8,556	12,248	14,615	14,405	7,694	7,989	10,335	10,933	12,174	6,584	
Yalobusha.....	40	6	18,394	14,819	18,594	11,127	12,265	18,350	15,302	19,170	11,105	12,248	17,774	12,954	14,772	9,756	10,995	
Yazoo.....	59	9	30,469	16,437	24,767	40,950	32,181	30,409	16,421	23,780	40,884	31,243	26,823	15,995	22,558	37,705	26,025	
All other.....	7	11	491	276	943	1,604	1,740	508	276	939	1,591	1,678	421	206	792	1,458	1,561	

MISSOURI.

The state ..	102	12	63,761	53,538	91,119	58,822	44,444	67,105	55,691	96,808	59,633	45,141	59,376	45,732	67,967	44,993	61,644
Dunklin.....	32	1	30,458	27,364	38,935	25,251	22,340	31,701	28,480	40,975	25,035	22,460	28,518	23,155	29,818	19,971	21,651
New Madrid.....	10	2	9,204	6,615	14,249	8,971	5,938	9,701	6,827	15,204	9,046	5,832	8,757	5,686	10,337	6,533	5,101
Oregon ¹	5	...	338	170	794	346	...	348	175	818	360	...	307	128	493	224	...
Ozark.....	13	...	701	809	1,302	1,555	1,176	724	794	1,303	1,587	1,192	609	672	959	981	1,128
Pemiscot.....	24	2	16,575	13,044	23,830	16,350	9,655	17,702	13,654	25,810	16,860	9,997	15,309	11,488	17,826	12,503	8,865
Stoddard.....	6	...	4,034	3,600	7,444	4,077	3,907	4,251	3,732	7,864	5,010	4,169	3,901	3,206	6,442	3,646	3,721
Taney.....	6	1	511	462	634	339	639	522	471	651	893	698	385	412	475	540	617
All other.....	6	6	1,850	1,474	3,925	830	789	1,890	1,558	4,183	842	793	1,689	985	2,117	595	561

NORTH CAROLINA.

[See map on page 77.]

The state...	2,715	273	837,995	906,351	1,126,276	753,087	633,746	792,545	865,653	1,075,826	706,142	600,606	708,598	619,662	913,944	664,722	581,954
Alamance.....	15	2	1,466	1,139	1,608	1,419	934	1,300	1,009	1,444	1,264	785	1,203	960	1,167	1,159	805
Alexander.....	10	...	2,501	2,575	2,460	2,145	1,415	2,438	2,318	2,233	1,960	1,229	2,230	2,330	1,904	1,712	1,195
Anson.....	72	1	25,515	22,420	29,181	24,371	21,129	24,790	21,927	27,961	23,694	21,053	23,067	21,412	24,691	21,914	19,690
Beaufort.....	22	5	9,551	13,829	17,231	8,234	8,216	9,331	13,707	17,369	7,816	8,232	7,477	12,344	14,212	7,307	7,590
Bertie.....	60	1	13,373	13,320	16,607	9,596	6,715	13,461	13,448	17,215	9,588	6,736	9,453	11,510	11,196	7,804	5,702
Bladen.....	31	...	7,958	8,040	10,848	5,626	4,733	7,530	7,923	10,839	5,516	4,759	6,879	7,453	8,982	5,264	4,441
Brunswick.....	8	1	768	538	1,177	940	598	785	570	1,212	948	591	356	339	726	469	427
Cabarrus.....	47	8	12,676	12,183	10,886	12,147	9,146	12,526	12,037	10,433	11,911	8,702	11,591	11,443	9,687	11,034	8,283
Camden.....	9	1	4,040	4,102	5,271	2,206	1,306	4,210	4,358	5,577	2,314	1,317	3,652	4,007	4,715	2,084	1,200
Carteret.....	9	...	1,710	2,103	2,951	1,664	933	1,644	2,001	2,894	1,536	891	1,317	1,829	1,545	1,074	715
Catawba.....	35	1	10,137	9,073	8,915	7,887	6,095	8,860	7,892	7,833	7,024	5,411	9,518	8,251	7,730	7,356	5,372
Chatham.....	54	4	8,803	7,385	11,163	8,628	7,527	7,470	6,333	9,607	7,280	6,464	7,943	7,013	9,773	7,513	6,689
Chowan.....	17	5	4,888	5,426	6,788	3,571	2,514	5,044	5,664	7,278	3,714	2					

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—					
	Ac-tive.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909	
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909						
NORTH CAROLINA—Continued.																		
Gates.....	20	3	5,207	4,721	6,477	3,834	2,595	5,290	4,836	6,503	3,864	2,642	4,384	4,544	5,365	3,546	2,493	
Granville.....	10	3	1,525	1,431	2,645	1,710	1,474	1,363	1,292	2,350	1,521	1,277	1,277	1,351	2,233	1,460	1,283	
Greene.....	32	17	8,008	14,817	17,504	9,813	7,593	7,604	14,864	17,704	9,548	7,468	6,189	12,334	12,572	8,880	7,063	
Guilford.....	3	1	435	437	573	310	293	386	367	519	276	238	295	385	428	179	209	
Halifax.....	122	5	32,110	32,081	40,206	23,315	19,611	30,453	31,044	38,019	21,977	18,697	24,694	29,680	32,806	18,859	17,188	
Harnett.....	49	2	19,408	20,275	25,336	13,339	11,790	17,875	18,227	22,777	11,784	10,470	17,677	19,531	23,174	12,347	11,305	
Hertford.....	24	4	5,039	6,327	7,998	3,991	2,414	5,113	6,389	7,323	3,898	2,365	3,485	5,156	5,501	3,418	2,018	
Hoke ¹	28	4	14,490	13,659	16,810	.....	.....	14,255	13,766	16,019	.....	.....	13,343	12,743	13,498	.....	.....
Hyde.....	6	.....	881	1,885	2,759	1,320	1,114	871	2,163	2,804	1,345	1,174	439	55	715	735	516
Iredell.....	49	3	15,108	12,372	10,931	12,089	9,282	14,214	11,647	9,936	11,064	8,549	13,233	10,982	9,660	10,713	8,050	
Johnston.....	105	5	38,751	44,309	59,715	36,254	32,806	34,915	38,921	54,615	31,577	29,105	34,593	41,195	49,338	32,479	31,161	
Jones.....	31	.....	5,089	7,116	10,477	5,088	5,569	5,152	7,169	5,432	4,708	5,432	4,528	6,258	8,503	4,774	5,175
Lee.....	19	1	6,787	6,207	7,852	5,201	4,719	5,720	5,275	6,750	4,485	4,041	5,904	5,860	6,823	4,471	4,356	
Lenoir.....	57	2	10,616	15,480	20,635	9,735	7,571	9,890	15,375	20,594	9,435	7,618	8,985	14,058	17,465	9,302	7,303	
Lincoln.....	37	4	8,522	7,416	8,274	8,249	5,754	8,099	6,631	7,323	7,381	5,034	7,986	6,465	7,606	7,565	5,376	
Martin.....	49	3	9,745	10,960	13,649	6,642	4,801	9,484	10,925	13,728	6,541	4,745	6,832	8,918	9,825	5,559	4,220	
Mecklenburg.....	58	10	31,164	30,769	30,769	33,669	27,749	30,622	28,285	30,307	32,854	28,337	27,458	25,253	27,042	30,897	25,313	
Montgomery.....	30	4	5,237	5,093	6,881	5,259	4,364	5,059	5,060	6,408	5,008	4,268	4,651	4,720	5,319	4,754	3,910	
Moore.....	28	4	4,017	3,755	4,722	1,930	1,441	3,571	3,043	4,582	1,716	1,396	3,632	3,309	3,703	1,644	1,321	
Nash.....	63	5	29,860	32,004	41,666	24,844	19,826	27,418	28,637	37,091	22,320	17,883	22,780	28,583	32,192	20,520	18,298	
Northampton.....	71	9	16,171	15,112	18,717	11,559	9,383	16,349	15,082	18,979	11,575	9,499	12,756	14,021	14,787	9,245	8,045	
Onslow.....	18	3	4,437	4,922	7,075	4,449	3,159	4,255	4,475	6,711	4,030	2,946	3,431	4,221	4,973	3,736	2,910	
Orange.....	16	2	1,738	1,372	2,547	1,802	1,455	1,531	1,158	2,209	1,594	1,246	1,523	1,265	2,121	1,427	1,272	
Pamlico.....	16	5	4,682	6,502	8,848	4,996	3,910	4,099	6,492	8,081	5,126	3,055	3,802	5,052	7,129	4,365	3,480	
Pasquotank.....	8	2	5,313	7,076	8,654	4,617	3,117	5,536	7,315	9,187	4,954	3,347	4,497	6,180	7,201	3,857	2,978	
Pender.....	8	2	1,737	2,054	3,720	1,247	724	1,588	1,964	3,611	1,100	688	1,401	969	855	130	207	
Perquimans.....	21	.....	7,308	8,598	9,934	5,158	3,802	7,212	8,658	10,246	5,356	3,480	6,501	7,918	8,793	4,510	3,536
Pitt.....	79	12	21,656	31,978	43,399	24,508	17,379	20,735	31,258	42,925	23,354	16,736	16,194	27,429	31,151	22,169	16,172	
Polk.....	4	2	1,767	1,515	2,465	1,808	1,515	1,626	1,382	2,242	1,618	1,402	1,675	1,399	2,283	1,641	1,374	
Randolph.....	13	3	1,534	1,861	1,983	1,785	1,637	1,340	1,448	1,823	1,500	587	1,265	1,287	506	451	515	
Richmond.....	65	6	18,931	15,868	18,272	14,539	11,830	13,209	15,217	17,998	14,094	11,830	13,028	15,242	15,149	13,025	11,257	
Robeson ¹	101	7	54,039	62,332	76,812	62,944	61,321	52,584	61,943	75,822	62,363	61,634	47,283	57,573	60,936	56,800	58,205	
Rowan.....	42	5	10,278	9,062	7,854	9,826	6,675	9,754	8,629	9,376	6,217	9,320	8,253	6,782	8,510	5,880	5,880	
Rutherford.....	32	10	10,253	9,206	11,836	8,948	6,747	9,435	8,396	10,823	8,007	6,142	9,517	8,537	11,031	8,261	6,154	
Sampson.....	74	4	21,510	27,762	28,723	16,091	15,370	20,159	26,652	27,482	14,167	13,845	17,582	23,049	21,972	13,868	13,801	
Scotland.....	39	2	27,649	31,962	32,743	25,810	27,002	26,831	31,853	32,245	25,385	27,164	24,884	29,263	27,001	23,635	25,017	
Stanly.....	32	3	8,488	8,880	9,165	8,514	7,521	7,561	8,090	8,581	7,838	6,758	7,555	8,250	7,810	7,521	6,479	
Tyrrell.....	9	1	1,141	1,466	1,681	707	499	1,157	1,472	1,830	712	464	968	270	270	113	102	
Union.....	50	4	31,409	29,996	29,843	28,355	21,920	29,669	28,844	28,184	26,864	19,613	27,164	27,858	26,149	25,841	19,573	
Vance.....	13	1	4,375	4,513	7,772	4,514	2,785	3,725	3,935	7,057	4,083	2,694	3,949	4,440	7,377	4,216	2,903	
Wake.....	111	5	28,530	26,377	46,247	27,354	27,105	25,072	22,959	41,169	23,968	23,977	25,392	24,725	40,030	23,399	25,477	
Warren.....	50	1	11,653	10,237	15,108	11,084	9,465	10,805	9,516	13,893	9,953	8,693	10,112	9,881	13,883	9,840	8,922	
Washington.....	28	2	3,741	4,086	4,962	2,690	1,652	3,886	4,482	5,332	2,797	1,675	3,047	3,848	4,053	2,468	1,568	
Wayne.....	104	4	29,965	39,627	45,591	26,315	25,108	28,047	38,018	44,068	24,699	23,032	23,816	35,043	30,988	23,476	22,371	
Wilson.....	47	11	23,557	31,065	40,581	24,309	17,849	22,031	28,940	37,970	22,845	16,461	18,024	20,890	30,880	21,711	16,357	
All other.....	12	3	1,797	1,514	1,952	908	573	1,703	1,465	1,835	812	528	739	1,218	1,413	800	354	

OKLAHOMA.

[See map on page 77.]

The state..	1,035	116	842,499	1,005,109	1,016,538	919,842	552,678	840,387	1,021,250	1,022,092	923,063	544,954	789,782	902,329	862,838	868,561	514,535
Adair.....	3	.....	822	775	1,217	1,144	408	816	783	1,236	1,134	477	819	750	1,005	882	482
Atoka.....	12	1	10,189	7,526	9,199	3,672	1,341	10,328	7,710	9,372	3,735	1,280	9,923	7,142	7,967	3,550	1,331
Beckham.....	17	5	13,080	24,873	19,383	23,728	12,725	12,559	24,300	19,748	29,073	12,412	11,653	22,945	14,210	22,056	10,705
Blaine.....	4	4	931	1,233	2,742	1,843	1,034	939	1,186	2,749	1,814	981	1,077	2,034	1,600	807	.....
Bryan.....	30	2	39,032	35,530	43,371	25,005	10,983	40,603	37,525	45,094	26,880	11,099	37,127	30,113	38,669	23,492	10,829
Caddo.....	30	1	22,987	22,186	34,786	20,367	13,596	22,169	21,844	34,536	12,894	19,768	12,894	19,864	26,143	19,358	12,332
Canadian.....	5	1	1,405	1,763	1,999	1,026	779	1,350	1,697	1,917	1,002	758	1,259	1,660	1,421	990	697
Carter.....	28	1	21,330	22,803	21,580	20,395	10,294	22,030	23,432	22,400	21,133	10,553	20,317	20,936	19,838	19,530	10,102
Cherokee.....	10	2	5,566	4,824	7,616	6,454	3,686	5,523	4,783	7,732	6,382	3,651	5,240	4,715	6,656	5,709	3,622
Choctaw.....	24	1	20,447	16,795	19,308	9,949	4,274	21,114	17,383	19,976	10,122	4,277	19,595	15,821	18,128	9,729	4,167
Cleveland.....	20	1	12,264	16,634	15,150	20,090	11,188	12,563	16,694	14,947	20,315	11,154	11,638	15,592	14,139	19,605	10,937
Coal.....	8	1	6,915	7,524	8,415												

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—				
	Ac-tive.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909					
OKLAHOMA—Continued.																	
Love.....	19	---	14,484	19,962	18,142	15,574	6,921	15,122	20,706	18,534	16,082	7,004	13,688	17,379	16,545	14,868	6,545
McCain.....	17	---	12,420	14,189	16,193	13,065	6,322	12,557	14,129	16,112	13,149	6,198	12,044	13,623	13,006	12,697	6,214
McCurran.....	20	3	12,183	10,860	11,531	5,414	1,945	12,592	10,873	11,651	5,405	1,896	11,748	10,394	10,607	5,232	1,846
McIntosh.....	17	---	21,970	18,860	20,904	17,299	11,979	21,566	18,935	20,900	17,309	11,145	20,768	18,014	17,393	16,360	11,926
Marshall.....	19	2	15,816	18,131	16,377	12,067	3,800	16,684	18,423	16,860	12,384	3,815	14,610	16,468	15,304	11,866	3,766
Mayes.....	7	1	2,264	2,255	4,002	3,405	1,134	2,183	2,258	3,964	3,337	1,102	2,079	1,936	3,540	2,752	1,100
Murray.....	9	---	8,310	8,131	9,334	10,136	4,728	8,513	8,263	9,435	10,096	4,728	7,590	7,212	8,747	9,818	4,695
Muskogee.....	23	1	25,220	21,454	28,093	23,450	9,240	25,356	21,647	28,677	23,694	9,175	24,550	19,892	22,956	21,625	8,973
Noble.....	3	2	1,274	1,207	2,749	1,521	1,919	1,291	1,185	2,722	1,446	1,851	1,074	1,060	2,132	1,432	1,604
Oklfuskee.....	26	1	23,502	29,124	31,272	24,015	19,393	23,723	29,723	31,459	24,423	19,320	22,348	27,215	25,950	22,556	18,851
Oklahoma.....	14	2	10,735	10,429	11,654	12,175	7,515	10,699	10,385	11,717	12,102	7,498	9,537	9,401	10,215	11,539	6,888
Okmulgee.....	7	4	9,004	10,587	12,882	9,477	5,589	9,130	10,723	13,268	9,507	5,215	8,590	9,591	10,559	9,122	5,204
Osgo.....	5	3	3,379	3,332	6,380	4,437	2,146	3,560	3,303	6,383	4,441	2,117	3,073	2,784	5,109	4,228	1,626
Pawnee.....	10	5	5,747	6,529	9,725	8,419	6,214	5,463	6,451	9,747	8,426	5,794	5,079	5,883	7,551	8,035	5,302
Payne.....	16	4	13,528	15,073	21,309	15,931	14,946	13,479	14,992	21,173	15,345	14,378	12,223	13,339	16,176	14,846	13,141
Pittsburg.....	27	2	25,002	20,992	27,603	19,690	8,639	25,048	21,280	27,816	19,639	8,473	23,843	20,443	23,593	19,067	8,598
Pontotoc.....	25	4	24,497	24,480	30,068	25,937	11,871	25,333	24,547	30,381	26,737	11,858	23,189	22,503	26,227	24,953	11,538
Pottawatomie.....	41	3	31,298	36,465	36,901	47,988	31,321	30,641	36,647	36,450	47,896	30,615	28,867	33,944	32,794	45,887	29,670
Pushmataha.....	9	---	6,198	5,711	6,002	2,630	1,050	6,400	5,881	6,046	2,676	1,048	6,051	5,537	5,112	2,555	1,043
Roger Mills.....	4	4	1,922	3,507	6,592	2,989	725	1,808	3,488	6,614	2,947	704	1,718	3,221	5,358	2,003	626
Seminole.....	21	---	19,067	20,997	23,284	19,437	13,514	18,506	20,993	22,786	19,468	13,284	18,170	20,132	20,885	18,824	13,251
Sequoyah.....	26	---	26,508	22,724	30,313	25,873	15,791	25,705	22,088	30,711	25,469	15,958	24,848	21,502	25,051	23,278	15,357
Stephens.....	22	1	21,480	20,332	22,664	21,836	14,636	21,553	23,049	22,395	14,616	20,597	25,467	18,787	20,726	14,317	10,841
Tillman.....	18	---	16,043	34,860	20,973	19,405	13,710	15,982	35,655	21,238	19,129	14,017	14,638	30,008	17,579	18,047	11,726
Tulsa.....	8	---	5,722	4,296	5,319	3,340	1,178	5,822	4,296	5,304	3,430	1,149	5,362	3,972	4,303	2,917	1,145
Wagoner.....	11	2	13,204	11,034	13,614	14,637	11,954	12,734	11,107	13,649	14,344	11,270	12,247	9,856	11,185	13,819	11,743
Washita.....	22	---	17,346	22,153	16,239	21,133	14,317	16,996	21,657	15,563	20,713	14,254	16,015	20,091	12,719	20,601	13,149
Woodward.....	3	---	39	77	449	236	212	37	78	444	226	204	11	61	327	196	131
All other.....	4	14	761	890	5,191	2,223	1,106	733	884	5,146	2,167	1,077	670	542	4,106	1,926	856

SOUTH CAROLINA.

[See map on page 78.]

The state.....	3,213	250	1,418,704	1,224,245	1,692,146	1,210,968	1,137,382	1,377,814	1,182,128	1,648,712	1,163,501	1,099,955	1,276,423	1,228,850	1,423,383	1,107,556	1,064,819
Abbeville.....	52	9	34,306	28,975	42,162	32,804	29,854	35,335	28,343	40,762	32,063	29,896	30,833	27,269	38,202	31,547	27,277
Aiken.....	158	10	48,066	30,873	51,361	36,160	37,600	47,121	35,506	50,403	36,530	44,622	34,271	45,003	32,554	35,671	35,671
Anderson.....	125	5	73,541	54,577	80,382	63,175	49,501	71,549	53,118	78,717	61,611	48,203	66,452	49,781	73,342	60,375	46,097
Bamberg.....	60	10	27,641	19,932	28,019	16,572	21,396	28,354	19,629	29,353	16,890	22,329	25,776	18,906	24,097	15,280	20,599
Barrow.....	129	12	58,880	43,407	67,601	42,958	43,248	61,408	45,274	70,267	45,043	44,919	53,506	40,326	56,588	39,750	41,865
Beaufort 1.....	27	3	8,165	5,920	7,040	9,904	7,744	7,504	5,448	6,730	8,993	6,803	6,949	4,946	6,369	7,527	6,530
Berkeley.....	58	4	13,500	10,809	17,118	12,465	12,406	11,907	9,296	15,479	11,178	11,454	12,815	10,352	14,330	11,861	11,943
Calhoun.....	83	9	27,800	22,231	31,730	21,441	23,244	25,170	19,852	28,437	20,125	21,292	24,840	19,096	23,336	18,353	21,140
Charleston.....	84	14	15,880	11,686	11,586	14,169	13,436	13,465	9,000	9,637	10,770	9,754	13,637	9,270	10,106	11,194	10,331
Cherokee.....	33	3	18,072	14,107	16,542	14,793	12,131	17,382	13,661	16,224	14,210	11,391	16,636	13,328	15,350	13,903	11,644
Chester.....	83	7	32,275	31,212	36,012	28,384	21,931	30,674	30,026	34,327	26,908	20,830	29,864	29,986	32,912	27,153	20,388
Chesterfield.....	88	---	33,076	31,864	36,418	29,878	24,063	31,746	31,342	34,561	26,424	22,606	27,025	29,354	28,723	22,418	22,418
Clarendon.....	55	3	40,208	35,469	54,222	36,060	31,832	39,575	34,887	53,973	36,954	32,870	38,371	32,854	41,436	32,350	30,162
Colleton.....	39	4	19,732	15,233	21,916	15,571	16,844	19,148	14,526	20,662	14,300	15,749	18,108	13,805	18,154	14,257	15,891
Darlington.....	68	4	38,456	40,420	57,700	40,369	42,547	38,456	40,493	59,131	40,587	43,287	34,325	38,536	47,100	35,375	41,108
Dillon.....	92	2	38,213	39,048	50,576	40,376	40,340	36,863	37,978	50,303	39,318	38,910	32,801	36,709	39,347	35,918	38,207
Dorchester.....	35	5	10,661	13,528	19,295	14,138	11,530	15,831	12,568	18,770	13,947	10,970	15,922	12,371	14,912	11,645	11,353
Edgefield.....	86	7	33,235	27,436	40,356	26,430	27,611	31,809	25,916	39,541	25,034	26,203	30,819	26,051	34,801	24,715	25,394
Fairfield.....	83	---	26,349	26,462	33,486	25,682	21,179	26,570	25,954	33,526	25,143	20,522	23,690	24,909	20,219	24,599	19,897
Florence.....	77	12	44,282	38,965	58,902	33,916	37,411	44,176	37,555	60,269	34,140	37,942	41,084	36,318	46,261	31,407	35,738
Georgetown.....	11	---	3,866	3,157	5,935	3,464	3,946	3,857	3,115	6,038	3,413	4,012	3,462	2,997	4,611	3,272	3,716
Greenwood.....	87	5	44,722	34,585	54,442	37,369	29,488	42,896	32,967	51,759	35,281	27,521	38,717	29,811	47,498	33,767	25,903
Hampton 1.....	41	4	33,819	30,125	45,546	29,744	28,073	34,015	29,962	45,391	28,959	27,439	28,855	28,133	40,262	28,055	25,718
Horry.....	48	1	19,916	14,774	25,797	16,642	19,559	20,832	15,350	26,715	16,625	20,185	18,097	13,408	21,622	15,113	18,605
Jasper.....	36	5	10,390	10,259	16,164	8,486	8,293	9,721	9,434	15,013	7,816	7,847	9,042	8,878	11,632	7,652	7,800
Jasper 1.....	18	6	6,196	5,142	8,103	3,464	3,946	6,196	5,239	7,911	3,413	4,012	3,462	2,997	4,611	3,272	3,716
Kershaw.....	92	1	27,677	25,916	36,193	23,063	19,619										

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—				
	Active.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909					
TENNESSEE.																	
[See map on page 78.]																	
The state...	565	74	366,786	267,439	430,027	321,103	240,757	379,471	276,546	449,737	331,947	246,630	340,685	230,239	360,510	269,670	221,465
Benton.....	4	1	2,528	2,222	3,620	1,885	953	2,587	2,354	4,133	1,977	906	2,323	1,827	2,851	1,608	938
Bradley.....	3	1	1,114	854	1,156	650	538	1,024	783	1,048	572	469	1,094	770	977	552	513
Carroll.....	24	2	12,185	9,877	17,033	11,466	9,705	12,088	9,480	18,155	11,338	9,457	11,621	9,060	15,796	9,739	9,221
Chester.....	13	3	4,650	3,818	5,548	4,073	3,171	4,714	3,817	5,804	4,227	3,255	4,541	3,349	4,606	3,704	3,055
Crockett.....	15	1	15,431	10,510	14,172	11,116	8,322	16,160	10,827	14,532	11,347	8,506	14,721	9,753	12,863	9,694	8,015
Decatur.....	12	4	2,872	2,154	4,956	2,129	2,226	2,789	2,154	4,617	2,171	2,286	2,560	1,885	3,110	1,988	2,117
Dyer.....	22	3	25,650	17,029	31,727	24,329	14,745	26,480	17,516	33,916	24,864	14,671	24,378	15,374	27,133	19,728	13,631
Fayette.....	45	2	27,584	18,166	25,802	26,284	16,702	29,003	19,256	27,293	27,693	17,390	25,115	15,455	21,908	22,715	15,428
Franklin ¹	3	1	1,311	941	.....	.....	.....	1,216	885	.....	.....	.....	761	604	.....	.....	.....
Gibson.....	26	4	28,190	20,708	36,323	22,353	15,562	27,981	20,845	37,318	22,380	15,322	25,532	18,284	31,081	17,565	14,404
Giles.....	22	9	6,290	5,639	11,955	7,316	4,592	6,207	5,586	12,065	7,291	4,361	6,051	4,350	8,854	6,106	4,221
Hardeman.....	33	2	15,110	11,496	17,878	14,004	9,656	15,340	11,783	18,815	14,892	9,857	14,605	9,444	14,648	12,758	9,180
Hardin.....	21	2	5,875	4,888	9,297	6,023	4,935	5,973	4,887	9,675	6,257	4,994	5,628	4,179	7,105	5,308	4,664
Haywood.....	33	2	23,045	15,443	24,277	18,702	14,562	24,054	15,841	25,331	19,248	14,882	21,650	12,287	20,750	15,014	13,829
Henderson.....	30	4	8,830	7,010	12,143	8,741	6,358	8,994	7,035	12,651	7,636	6,391	8,454	6,140	8,544	7,144	5,695
Henry.....	4	2	2,344	2,076	3,853	2,528	1,823	2,317	2,278	4,051	2,662	1,847	2,120	1,945	3,316	2,173	1,666
Lake.....	11	1	15,887	12,255	22,523	18,930	11,123	16,363	12,826	22,906	18,666	10,892	14,643	10,996	17,921	14,547	9,897
Lauderdale.....	30	4	26,340	20,949	28,039	20,412	22,275	27,567	22,043	30,247	21,500	22,850	24,664	18,128	25,546	16,741	18,779
Lawrence ¹	4	1	1,642	1,164	.....	.....	.....	1,641	1,225	.....	.....	.....	1,610	990	.....	.....	.....
Lincoln.....	11	1	4,912	4,117	6,641	4,114	3,528	5,065	4,187	6,928	4,242	3,652	4,850	3,558	5,715	3,746	3,354
McMinn.....	9	1	2,040	1,508	2,763	1,869	1,223	1,950	1,432	2,601	1,289	1,108	1,979	1,385	2,052	1,184	1,197
McNairy.....	34	5	8,726	7,906	11,541	7,828	5,277	9,920	8,277	12,617	8,171	5,410	9,265	6,942	8,767	7,265	4,820
Madison.....	37	2	17,653	10,508	21,356	15,695	10,795	18,301	11,265	23,060	16,900	10,994	16,585	8,922	18,882	13,646	10,037
Obion.....	7	1	6,703	3,801	8,479	4,853	2,504	6,537	3,593	8,655	4,420	2,328	5,738	3,668	7,136	3,070	1,931
Folk.....	6	1	1,308	1,224	1,482	990	1,147	1,197	1,213	1,406	855	1,007	1,282	1,136	1,361	805	1,099
Rutherford.....	6	4	7,992	6,589	10,762	7,200	6,137	8,222	6,799	10,865	7,235	6,191	7,304	5,913	8,535	5,956	5,514
Shelby.....	53	3	53,816	38,284	53,261	45,201	36,885	57,820	40,765	66,830	48,166	40,119	47,935	30,789	44,540	38,224	33,044
Tipton.....	33	5	20,083	22,023	31,710	28,586	22,932	31,250	23,168	34,640	31,102	24,198	27,561	19,149	27,345	23,920	21,763
Wayne.....	5	1	821	691	1,559	800	366	833	695	1,622	837	370	806	594	1,006	684	353
Weakley.....	7	1	5,201	2,900	4,755	3,117	2,057	5,182	2,905	4,657	3,093	2,006	4,670	2,794	4,472	2,782	1,890
All other.....	2	5	695	623	3,868	885	858	690	616	3,890	881	846	639	540	2,740	704	810

TEXAS.

[See map on page 79.]

The state...	4,352	343	3,773,024	4,645,309	4,107,152	2,949,963	2,469,331	3,944,970	4,880,210	4,256,427	3,049,409	2,522,811	3,627,190	4,368,915	3,862,143	2,849,259	2,262,938
Anderson.....	47	5	24,207	24,858	20,028	17,552	15,093	25,016	25,494	28,964	17,935	15,014	23,436	24,130	26,643	17,909	14,014
Angelina.....	22	2	7,358	6,412	5,775	3,518	2,535	7,552	6,334	5,694	3,528	2,455	6,046	6,222	5,122	3,370	2,344
Archer.....	7	3	4,249	10,147	2,456	4,128	4,114	4,325	10,395	2,450	4,175	4,280	4,015	8,011	2,082	3,957	3,704
Atascosa.....	20	1	10,717	14,021	9,087	5,948	4,202	11,302	14,798	9,436	6,179	4,297	10,670	13,568	8,138	6,430	3,974
Austin.....	43	5	27,463	27,644	29,974	24,734	15,630	29,084	30,165	32,184	26,967	16,653	26,858	26,711	28,846	24,330	14,349
Bandera.....	4	2	2,243	1,868	1,296	681	607	2,389	2,008	1,418	721	613	2,215	1,865	1,248	678	592
Bastrop.....	31	3	35,729	34,335	33,233	22,323	17,618	37,800	37,477	35,049	23,795	18,629	34,522	33,174	31,271	21,431	16,337
Baylor.....	9	3	8,055	15,803	6,170	9,522	8,919	8,223	16,336	6,187	9,720	9,131	7,357	13,715	5,193	8,918	6,888
Bee.....	13	1	7,613	19,150	11,802	10,394	7,942	7,904	20,077	12,253	11,022	8,404	7,582	18,931	11,834	10,942	7,804
Bell.....	62	1	68,255	82,494	70,530	55,339	54,942	74,144	87,213	81,321	58,006	57,898	66,443	79,445	74,070	53,583	50,216
Bexar.....	25	2	25,790	27,215	19,501	11,115	13,126	27,312	28,575	21,318	11,544	13,412	25,565	26,491	18,154	10,598	12,971
Blanco.....	7	3	5,104	4,524	3,634	2,879	2,763	5,423	4,756	3,760	2,892	2,765	4,998	4,505	3,585	2,869	2,693
Bosque.....	22	2	20,373	27,211	24,273	16,965	15,318	21,939	28,479	24,836	17,196	15,358	10,419	25,958	23,041	16,968	11,605
Bowie.....	26	2	27,718	25,700	24,093	17,104	11,670	20,026	27,805	25,221	17,884	11,754	26,622	24,964	22,833	16,847	11,525
Brazoria.....	18	1	8,337	7,886	5,764	3,895	470	8,947	8,454	6,016	3,826	443	7,301	7,750	5,130	2,267	440
Brazos.....	31	1	26,831	34,275	36,474	24,732	10,655	28,204	37,216	38,176	25,869	10,826	26,736	34,063	35,435	24,382	17,883
Brooks ²	3	1	1,824	8,814	.....	.....	.....	1,822	3,753	.....	.....	.....	1,817	3,813	.....	.....	.....
Brown.....	22	6	14,719	18,219	20,558	12,815	11,384	15,526	18,525	20,817	12,747	11,541	14,604	18,203	18,708	12,682	10,544
Burleson.....	34	3	30,046	34,922	35,894	24,329	17,198	31,909	37,925	37,107	26,228	18,030	29,335	34,542	34,853	24,082	16,467
Burnet.....	17	1	12,388	10,747	11,187	7,760	5,577	13,277	11,461	11,894	8,000	5,876	12,010	10,664	10,957	7,580	5,552
Caldwell.....	32	1	58,405	55,013	51,753	28,902	36,087	62,077	59,961	54,850	38,134	38,134	57,187	53,474	49,001	28,153	34,832
Calhoun.....	7	1	5,238	5,264	3,287	3,114	1,299	5,362	5,388	3,462	3,222	1,307	5,161	4,555	2,754	2,831	1,047
Callahan.....	15	1	10,384	15,593	10,843	8,802	12,965	10,226	16,332	11,283	9,213	13,489	10,100	15,369	10,486	8,664	11,979
Cameron ³	9	1	6,701	8,034	12,955	3,544	1,097	6,901	8,285	13,281	3,713	1,115	6,500	7,048	12,797	3,586	1,066
Camp.....	22	1	12,252	12,431	12,755	8,844	7,345	12,703	12,861	12,479	8,796	7,100	11,905	12,157	12,157	8,695	7,078
Cass.....																	

COTTON PRODUCTION: 1913.

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.										NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—					
	Ac-tive.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—					1913	1912	1911	1910	1909	
			1913	1912	1911	1910	1909	1913	1912	1911	1910	1909						
TEXAS—Continued.																		
Dickens.....	5	.....	3,489	6,276	6,302	3,257	1,053	3,511	6,648	6,472	3,322	1,047	3,196	5,875	5,389	2,968	.....	940
Donley ¹	5	.....	3,819	5,509	6,205	2,135	.....	3,546	5,540	6,337	2,176	.....	3,457	5,726	3,787	1,973	.....	.....
Duval.....	9	1	3,365	8,979	5,561	4,587	4,562	3,518	5,304	5,709	4,748	4,659	3,842	8,993	5,290	4,363	.....	3,967
Eastland.....	27	2	27,531	36,656	29,981	26,397	29,441	29,177	37,866	30,838	26,935	29,977	26,483	35,517	28,080	24,243	.....	25,622
Ellis.....	51	1	120,419	178,353	136,427	104,505	77,901	124,537	187,449	138,774	106,384	79,655	117,951	159,307	131,243	99,380	.....	71,444
Erath.....	31	6	20,354	39,286	33,876	27,367	21,151	21,669	41,140	34,950	27,925	21,340	19,740	37,929	31,347	26,210	.....	17,530
Falls.....	46	2	62,315	72,555	65,477	45,699	41,926	67,196	79,317	68,541	46,686	44,378	60,463	69,120	61,594	44,209	.....	37,330
Fannin.....	50	3	65,036	96,038	85,884	69,379	45,655	69,524	102,588	89,955	70,531	46,137	56,561	87,513	79,255	63,913	.....	44,447
Fayette.....	55	2	43,810	47,441	41,515	32,242	21,313	47,367	52,109	44,903	35,286	22,570	42,918	45,916	40,007	31,368	.....	20,132
Fisher.....	12	.....	13,848	10,004	13,807	8,402	10,316	13,560	10,492	14,287	8,600	10,291	13,144	9,782	12,500	8,006	.....	8,874
Floyd ²	3	.....	2,936	2,683	.....	.....	.....	2,985	2,629	.....	.....	.....	1,684	1,710	.....	.....	.....	.....
Foard.....	3	6	2,956	9,879	7,225	6,254	5,182	2,877	10,154	7,293	6,494	5,265	2,791	8,162	6,400	5,657	.....	4,456
Fort Bend.....	30	.....	33,775	32,345	23,798	23,017	7,614	35,038	34,240	25,302	23,993	7,454	32,956	32,017	23,055	22,643	.....	7,186
Franklin.....	15	.....	11,031	12,950	10,081	7,200	5,557	11,401	13,419	10,121	7,282	5,541	10,702	12,402	10,003	7,114	.....	5,509
Frostone.....	25	3	24,762	24,880	29,645	16,816	13,806	26,292	20,293	31,370	17,246	14,262	24,348	23,794	28,264	16,711	.....	12,996
Frio.....	12	.....	15,417	16,542	10,554	9,746	6,738	16,592	17,525	10,755	10,079	7,044	15,371	16,267	9,242	8,468	.....	6,408
Gillespie.....	18	.....	13,468	9,524	9,444	7,452	6,606	14,034	10,055	10,043	7,916	6,846	13,140	9,460	9,325	7,408	.....	6,524
Goliad.....	14	.....	14,401	18,185	13,139	9,007	9,645	14,018	17,005	13,205	8,918	8,277	14,282	17,924	12,731	9,006	.....	9,509
Gonzales.....	35	.....	49,908	44,865	36,004	28,317	26,342	55,325	49,235	39,020	30,530	28,318	48,613	44,163	35,755	28,197	.....	25,874
Grayson.....	52	3	54,118	77,049	49,495	54,692	34,447	55,828	79,638	50,564	56,018	34,390	50,066	68,344	46,892	51,583	.....	33,654
Gregg.....	22	1	9,176	12,011	12,107	8,000	6,836	8,993	12,174	12,109	7,962	6,474	8,988	11,878	11,575	7,793	.....	6,271
Grimes.....	38	5	27,063	27,661	28,843	20,506	14,084	28,911	29,520	30,129	21,738	14,656	26,660	27,495	28,077	20,679	.....	13,518
Guadalupe.....	35	3	54,922	47,107	37,307	23,514	32,767	58,663	51,516	39,732	25,122	33,813	52,866	43,956	35,210	22,883	.....	31,961
Hale ²	3	1	335	732	.....	.....	.....	337	737	.....	.....	.....	281	513	.....	.....	.....	.....
Hall.....	15	2	14,584	24,116	28,437	19,740	10,587	14,479	24,642	29,040	20,119	10,622	12,832	18,504	21,284	16,611	.....	7,139
Hamilton.....	18	2	14,418	23,476	23,178	15,608	11,472	15,551	25,101	24,620	16,307	11,672	13,967	22,821	22,266	15,280	.....	10,086
Hardeman.....	7	.....	4,728	17,567	11,452	12,932	10,304	4,705	17,145	11,644	13,413	10,409	4,361	12,347	9,500	12,339	.....	8,359
Harris.....	14	.....	6,511	4,235	4,040	3,217	2,476	6,700	4,307	4,719	3,349	2,532	6,222	4,111	4,299	3,098	.....	2,239
Harrison.....	46	2	22,534	24,683	26,919	17,837	17,394	23,305	24,905	27,560	18,094	10,983	21,902	24,442	24,721	17,589	.....	16,664
Haskell.....	14	7	15,602	25,226	14,760	13,637	14,680	17,240	26,457	15,182	14,403	15,050	14,180	20,858	12,717	.....	.....	8,977
Hays.....	20	2	28,992	31,289	24,433	17,728	23,337	31,068	33,730	28,138	18,877	24,831	28,520	29,938	23,424	17,248	.....	22,155
Henderson.....	35	2	27,477	23,223	26,894	13,790	9,984	28,114	23,808	27,513	14,033	9,966	20,713	22,530	25,924	13,777	.....	9,277
Hidalgo ^{1,3}	6	0	1,924	5,854	10,630	2,103	.....	1,925	6,037	11,289	2,142	.....	1,894	5,619	10,131	2,083	.....	.....
Hill.....	69	1	76,670	126,097	117,221	71,400	67,079	77,374	134,798	120,550	74,137	68,999	67,734	119,320	113,877	70,729	.....	58,729
Hood.....	10	.....	7,773	17,291	10,608	9,505	5,757	7,969	17,875	10,608	9,520	5,603	7,547	15,230	10,094	8,827	.....	4,000
Hopkins.....	43	.....	51,153	42,771	45,557	29,404	21,668	53,700	44,157	46,249	29,657	21,301	48,587	40,071	44,210	29,386	.....	20,599
Houston.....	44	7	29,817	30,527	35,959	22,087	18,995	30,324	32,505	38,109	23,200	20,087	28,698	29,861	32,715	21,465	.....	18,185
Howard.....	5	.....	4,667	3,733	7,132	1,576	3,212	5,404	3,585	7,295	1,546	3,107	4,386	3,643	6,509	1,490	.....	2,954
Hunt.....	65	2	68,494	82,743	84,616	63,419	53,043	70,576	85,159	86,183	64,478	52,611	64,576	75,307	81,792	62,080	.....	50,608
Jack.....	17	2	5,997	15,063	6,850	8,985	7,255	6,345	16,254	6,990	9,319	7,352	5,807	14,692	6,109	8,537	.....	6,496
Jackson.....	11	.....	7,600	6,507	3,905	2,598	1,150	8,124	7,077	4,017	2,869	1,156	7,527	6,455	3,803	2,501	.....	1,100
Jasper.....	9	.....	1,211	833	417	290	361	1,190	828	387	274	.....	877	597	232	.....	303	
Jim Wells ⁴	9	1	2,409	7,043	4,341	.....	.....	2,518	7,126	4,514	.....	.....	2,389	7,017	4,324	.....	.....
Johnson.....	35	1	46,480	68,302	56,602	38,375	20,578	49,557	73,561	58,945	40,202	21,664	44,604	62,816	53,677	35,330	.....	16,205
Jones.....	23	6	20,882	35,302	25,165	13,807	22,199	21,191	36,333	26,292	14,307	22,998	19,740	32,886	22,743	12,654	.....	17,977
Karnes.....	20	1	29,434	34,031	26,112	22,559	16,120	29,786	34,483	26,105	22,286	16,367	20,298	32,972	25,317	22,438	.....	15,972
Kaufman.....	60	.....	71,453	98,293	67,062	53,066	43,130	76,216	104,511	69,273	55,593	44,949	67,563	92,213	64,765	52,519	.....	39,374
Kendall.....	6	1	2,584	2,365	1,575	1,428	1,501	2,709	2,406	1,659	1,513	1,564	2,550	2,365	1,646	1,423	.....	1,452
Kent.....	5	.....	3,767	3,000	2,924	2,803	1,018	3,730	3,141	2,397	2,020	880	3,549	2,819	2,690	2,768	.....	827
Kerr.....	3	.....	971	527	327	213	.....	1,024	552	344	222	373	957	527	324	213	.....	346
Kimble ⁴	3	.....	1,429	458	.....	.....	.....	1,464	462	.....	.....	.....	1,328	430	.....	.....	.....	.....
Kleberg ⁴	3	.....	1,760	.....	.....	.....	.....	1,799	.....	.....	.....	.....	1,750	.....	.....	.....	.....	.....
Knox.....	13	3	13,146	19,567	13,155	8,226	12,402	13,272	19,947	13,271	8,284	12,300	12,160	17,260	12,672	7,869	.....	8,598
La Salle.....	5	.....	2,103	4,019	1,341	1,418	1,126	2,270	4,103	1,845	1,424	1,148	2,087	3,871	1,249	1,013	.....	1,045
Lamar.....	62	.....	72,533	81,593	95,989	64,547	44,612	74,753	85,983	100,251	67,297	45,790	63,717	77,094	89,807	62,873	.....	43,264
Lampasas.....	10	3	5,074	6,249	6,671	4,701	4,025	5,447	6,726	7,029	4,946	4,158	4,967	6,172	6,513	4,664	.....	3,939
Lavaca.....	35	2	35,630	41,652	39,308	30,474	19,999	42,114	46,050	43,207	33,485	21,516	33,038	40,508	37,965	29,625	.....	10,066
Lee.....	20																	

TABLE 21.—NUMBER OF GINNERIES IN 1913 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1909 TO 1913, BY COUNTIES—Continued.

COUNTY.	GINNERIES		TOTAL QUANTITY GINNED.									NUMBER OF BALES GINNED TO DEC. 13 (COUNTING ROUND AS HALF BALES)—					
	Active.	Idle	Number of bales (counting round as half bales)—					Number of equivalent 500-pound bales—				1913	1912	1911	1910	1909	
			1913	1912	1911	1910	1909	1913	1912	1911	1910						1909
TEXAS—Continued.																	
Morri ¹	21	1	0,354	11,717	11,097	6,217	5,339	9,860	11,478	10,735	5,871	5,035	9,646	11,251	10,452	5,764	5,138
Motley.....	4	1	2,857	2,828	5,241	3,557	1,880	2,015	2,901	5,287	3,624	1,898	2,452	2,200	3,677	1,930	1,475
Nacogdoches.....	12	2	21,717	21,804	21,974	14,261	11,686	21,487	21,010	22,273	14,181	11,062	20,510	21,071	21,155	14,172	11,482
Navarro.....	73	3	98,470	103,651	109,913	65,355	56,646	102,212	111,300	113,254	68,139	58,323	95,575	96,454	106,572	64,689	52,204
Newton.....	11	2	595	393	423	291	352	541	360	397	287	325	380	239	237	177	335
Nolan.....	10	2	7,392	8,452	10,987	3,192	6,902	7,315	8,741	11,470	3,238	7,232	6,961	8,303	10,360	3,070	6,462
Nueces ¹	19	1	14,853	13,882	10,742	8,566	5,925	15,186	19,951	11,028	8,868	5,862	14,799	18,740	10,682	8,450	5,668
Palo Pinto.....	17	2	7,487	7,573	10,695	10,346	9,929	7,530	18,093	10,631	10,350	9,908	7,298	16,504	9,509	9,935	4,902
Panola.....	35	5	21,274	24,494	23,205	17,982	14,197	21,840	24,411	23,372	18,065	13,913	20,406	24,145	22,565	17,773	12,976
Parker.....	31	1	10,157	38,578	23,491	23,335	18,109	19,904	40,144	23,637	24,121	17,794	18,464	34,817	21,580	22,576	15,069
Polk.....	23	2	9,101	7,092	6,303	3,492	3,210	9,400	7,527	6,515	3,497	3,076	8,681	6,903	5,577	3,433	2,883
Rains.....	9	1	7,882	5,789	9,405	6,119	3,341	8,350	9,536	6,688	6,421	8,332	7,665	3,444	9,186	6,104	3,179
Red River.....	45	2	44,929	42,718	51,152	33,289	19,722	48,020	44,991	53,584	34,388	19,951	44,130	41,552	48,166	32,658	19,959
Refugio ²	8	1	9,226	7,842	.....	.....	.....	9,730	8,407	.....	.....	.....	8,616	6,060	.....	.....	.....
Robertson.....	50	1	42,150	50,840	66,253	39,680	33,978	43,001	53,006	69,022	41,283	34,973	41,126	49,471	60,208	30,148	31,063
Rockwall.....	17	1	23,029	29,804	21,763	20,787	14,407	24,544	31,211	22,159	21,286	14,540	22,603	27,827	21,118	20,402	15,325
Runnels.....	18	10	16,034	24,853	30,760	10,277	25,979	16,847	25,603	31,671	10,501	27,304	15,697	24,475	28,783	9,762	22,952
Rusk.....	73	3	20,496	32,054	33,928	22,650	16,245	29,160	32,994	33,670	21,844	15,472	28,456	31,635	31,687	22,312	15,089
Sabine.....	22	1	4,445	3,796	3,584	2,438	2,355	4,408	3,798	3,555	2,409	2,258	3,785	3,188	3,149	2,269	2,195
San Augustine.....	28	1	10,878	8,520	7,340	6,021	4,463	10,643	8,506	7,246	5,972	4,285	10,047	8,451	7,185	5,951	4,384
San Jacinto.....	15	1	7,853	6,837	6,709	4,127	3,223	8,099	7,048	4,245	3,138	3,063	7,583	6,773	6,113	4,084	3,246
San Patricio.....	11	1	19,404	18,973	13,666	6,663	4,343	19,839	17,165	14,080	6,898	4,554	19,390	16,611	13,633	6,655	4,276
San Saba.....	19	1	9,576	9,524	12,120	7,715	6,847	10,095	9,909	12,588	7,919	6,962	9,242	9,489	11,564	7,582	6,742
Scurry.....	11	2	10,014	7,795	13,110	7,700	5,219	9,946	7,935	13,220	7,856	5,278	9,538	7,712	11,820	7,286	4,233
Shackelford.....	3	2	1,931	4,727	2,422	2,291	2,714	2,002	4,833	2,467	2,390	2,751	1,894	4,420	2,014	2,024	2,378
Shelby.....	50	5	24,892	23,105	22,162	15,917	12,784	25,420	22,875	21,443	15,112	11,940	23,112	23,263	20,946	15,568	12,472
Smith.....	84	5	30,288	46,934	49,021	30,720	25,501	39,233	47,554	48,521	30,579	24,731	38,502	45,603	45,027	30,293	23,456
Somervell.....	6	1	2,134	4,328	3,059	2,801	1,770	2,203	4,486	3,524	2,808	1,730	2,049	3,986	2,850	2,634	1,064
Stephens.....	7	1	2,807	5,492	2,124	2,908	2,653	2,945	5,808	1,983	2,604	2,706	2,748	5,334	1,953	2,794	2,244
Stonewall.....	7	1	6,473	5,227	5,160	4,201	3,796	6,513	5,238	5,324	4,285	3,793	5,732	4,500	4,609	4,077	2,878
Tarrant.....	33	2	27,725	47,305	31,582	27,737	14,508	28,180	48,855	32,433	28,404	14,738	26,542	41,093	29,353	26,860	12,366
Taylor.....	20	9	14,207	24,996	23,316	9,794	21,711	14,557	26,246	24,449	9,955	22,453	13,888	24,538	21,190	9,055	19,748
Throckmorton.....	4	2	3,267	7,492	1,960	4,651	2,839	3,362	7,865	2,054	4,905	2,981	3,180	7,357	1,808	4,489	2,347
Titus.....	28	1	16,243	17,025	15,733	12,555	9,230	16,623	17,304	15,881	12,681	9,025	15,642	16,305	15,302	12,087	9,070
Tom Green.....	6	3	3,589	3,953	3,379	1,437	3,012	3,763	4,102	3,484	1,361	3,096	3,436	3,817	2,918	1,377	2,646
Travis.....	48	3	63,525	68,709	59,814	41,732	48,011	66,879	73,574	64,312	45,428	50,465	61,833	65,055	56,971	40,278	43,919
Trinity.....	13	1	7,892	7,732	8,323	5,311	3,816	8,348	8,095	5,596	5,530	3,798	7,441	7,566	7,798	5,258	3,706
Tyler.....	14	3	2,340	1,820	1,631	969	941	2,359	1,699	1,612	947	876	2,201	1,746	1,372	959	846
Upshur.....	56	1	21,773	23,443	23,729	12,990	12,612	21,912	23,354	23,591	12,284	12,052	20,824	22,714	21,805	12,753	11,908
Uvalde.....	8	1	6,650	9,725	4,284	3,382	2,988	6,889	9,971	4,503	3,546	3,107	6,604	9,612	4,090	3,348	2,949
Van Zandt.....	52	1	40,130	39,448	38,392	24,170	17,707	40,275	40,939	40,227	24,900	18,352	39,215	36,550	32,545	20,762	15,315
Victoria.....	18	1	23,752	20,156	14,148	11,437	9,697	24,879	21,228	14,745	12,147	10,181	23,547	19,597	13,887	11,413	9,444
Walker.....	27	3	13,194	15,716	14,592	10,067	8,089	14,239	16,939	15,497	10,480	8,225	12,912	15,174	13,813	9,930	7,649
Waller.....	22	1	11,621	13,322	15,998	12,344	6,200	11,972	13,586	16,385	12,675	6,343	11,294	13,219	15,460	12,266	5,977
Ward ²	3	1	1,608	1,208	.....	.....	.....	1,648	1,243	.....	.....	.....	1,247	1,022	.....	.....	.....
Washington.....	44	2	41,248	33,154	40,649	30,849	22,211	45,959	41,084	43,397	32,996	22,993	40,641	36,983	30,565	30,043	20,595
Wharton.....	19	4	21,091	24,695	15,923	15,338	2,503	22,205	25,293	16,751	16,091	2,472	20,245	24,228	14,975	15,117	2,381
Wheeler.....	4	1	1,859	2,918	4,381	2,236	682	1,758	2,887	4,450	2,185	692	1,729	2,481	2,976	2,125	504
Wichita.....	8	3	6,003	13,445	4,290	8,657	7,805	6,063	13,337	4,280	8,756	7,855	5,716	11,516	3,860	8,383	7,096
Wilbarger.....	17	2	11,168	34,284	17,261	20,866	15,055	11,070	35,052	17,965	21,329	15,209	9,929	24,299	14,188	19,040	12,630
Williamson.....	75	4	103,131	124,187	121,139	73,708	78,104	114,262	134,689	130,104	79,616	83,334	101,308	118,333	117,931	71,180	69,322
Wilson.....	16	2	27,854	24,289	20,375	15,029	13,508	29,681	25,466	20,986	15,555	13,525	27,524	23,476	18,723	14,354	13,356
Wise.....	31	5	19,669	38,790	27,616	23,645	21,064	20,043	40,373	28,649	24,241	21,435	18,890	34,486	25,166	22,842	18,534
Wood.....	37	4	28,323	30,936	29,362	18,905	15,517	28,733	31,060	29,879	18,871	15,219	27,839	29,421	28,224	18,734	14,545
Young.....	18	1	11,195	25,826	7,672	12,211	13,093	11,428	26,505	7,764	12,565	13,423	10,891	22,832	6,906	11,622	11,441
All other.....	51	22	16,466	10,794	38,891	13,860	13,205	16,711	10,824	39,160	13,978	13,358	14,064	8,507	25,083	11,179	10,531

VIRGINIA.

The state...	134	20	24,569	25,499	31,099	16,095	10,746	23,490	24,398	29,891	14,815	10,095	20,832	24,111	25,513	13,952	9,493
Greenwick.....	32	2	3,727	3,425	4,534	3,336	2,794	3,388	3,199	4,265	3,043	2,617	3,323	3,320			

COTTON PRODUCTION: 1913.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
ALABAMA.										
The state.....	44,562	325,735	839,899	1,015,788	1,181,232	1,365,246	1,444,212	1,467,883	1,475,154	1,483,669
Autauga.....	2,295	7,745	13,441	15,471	17,426	19,379	20,103	20,296	20,298	20,542
Baldwin.....	35	218	444	658	701	754	799	802	802	850
Barbour.....	1,299	10,072	21,548	25,359	27,680	30,988	33,761	34,300	34,401	34,753
Bibb.....	89	1,245	3,454	4,520	5,565	7,180	8,043	8,206	8,293	8,343
Blount.....	(1)	757	6,962	9,323	11,785	13,913	14,549	14,758	14,818	14,901
Bullock.....	469	6,121	15,952	18,844	21,558	24,551	26,671	27,068	27,190	27,205
Butler.....	1,183	8,379	16,776	19,640	21,854	24,443	25,692	25,935	26,033	26,062
Calhoun.....	18	3,534	12,620	15,415	18,076	20,783	21,670	21,961	22,019	22,176
Chambers.....	(1)	5,195	18,955	23,245	26,950	31,224	34,300	35,771	36,149	36,286
Cherokee.....	(1)	2,787	11,524	14,796	17,372	20,266	21,102	21,255	21,360	21,739
Chilton.....	212	3,975	10,145	11,845	13,557	15,442	15,959	16,140	16,187	16,204
Choctaw.....	76	825	2,152	2,752	3,503	4,579	4,854	4,990	5,074	5,136
Clarke.....	244	2,784	5,606	7,024	8,044	9,052	9,650	10,135	10,367	10,837
Clay.....	3	705	8,207	10,844	13,219	15,630	16,947	17,495	17,700	17,920
Cleburne.....		445	3,685	4,819	5,779	6,898	7,345	7,513	7,569	7,681
Coffee.....	2,210	12,014	22,634	25,781	28,266	30,870	32,140	32,615	32,689	33,024
Colbert.....	17	1,909	7,383	8,983	11,402	14,210	14,801	14,932	14,932	15,025
Conectuh.....	250	4,924	9,990	12,201	13,545	14,984	15,685	15,827	16,228	16,276
Coosa.....	9	1,845	8,439	10,417	12,065	14,091	15,609	16,148	16,314	16,484
Covington.....	2,192	10,995	20,233	23,091	25,678	27,706	28,684	28,985	29,075	29,169
Crenshaw.....	549	9,062	17,209	20,483	22,780	25,061	26,854	28,116	28,186	28,633
Cullman.....		1,655	11,454	15,062	18,839	21,708	23,562	23,767	24,015	24,123
Dale.....	1,494	9,258	19,700	22,374	24,587	27,389	28,649	29,099	29,206	29,281
Dallas.....	4,077	15,539	29,943	33,903	37,988	43,579	45,136	45,404	45,413	45,466
Dekalb.....	(1)	1,737	11,621	15,236	19,080	22,781	23,591	23,934	24,062	24,188
Elmore.....	1,784	10,573	19,303	22,737	24,768	28,239	29,506	30,154	30,433	30,746
Escambia.....	793	3,467	5,777	6,577	7,098	7,448	7,581	7,623	7,630	7,637
Etowah.....	(1)	1,671	8,788	11,223	13,872	16,271	17,342	17,594	17,638	17,838
Fayette.....	8	1,291	6,688	8,840	10,848	12,895	13,528	13,614	14,002	14,248
Franklin.....	(1)	1,125	6,385	8,304	10,727	12,763	13,378	13,614	13,687	13,861
Geneva.....	4,420	14,787	24,700	27,589	30,253	32,494	33,609	33,893	33,976	34,014
Greene.....	477	3,933	9,324	11,376	13,402	16,148	17,309	17,428	17,452	17,525
Hale.....	515	5,065	13,907	16,684	19,720	23,551	25,404	25,780	25,823	26,245
Henry.....	1,968	8,767	17,636	20,104	22,327	25,414	27,100	27,175	27,219	27,219
Houston.....	3,607	14,373	25,236	28,255	30,671	33,480	34,949	35,283	35,391	35,491
Jackson.....		810	6,122	8,922	11,282	14,111	14,694	15,282	15,464	15,565
Jefferson.....	(1)	277	3,001	4,378	5,781	7,019	7,494	7,681	7,740	7,957
Lamar.....	13	1,842	7,635	9,808	12,059	14,114	14,795	14,978	15,084	15,330
Lauderdale.....		1,772	9,929	12,289	16,530	20,821	21,797	21,996	22,055	22,083
Lawrence.....	3	2,084	8,865	11,424	14,413	17,503	18,502	18,823	18,891	19,018
Lee.....	176	6,276	17,868	21,764	25,077	29,094	31,502	32,468	32,570	32,583
Limestone.....	(1)	2,952	11,412	13,883	17,133	20,570	21,276	21,408	21,459	21,493
Lowndes.....	1,111	9,091	19,581	23,061	26,217	31,307	33,694	35,958	34,064	34,107
Macon.....	885	9,240	20,565	23,597	26,220	29,552	31,524	31,959	32,013	32,031
Madison.....	40	4,204	10,384	20,759	25,219	29,792	30,834	31,128	31,212	31,236
Marengo.....	1,493	8,766	19,142	23,201	27,202	31,561	33,008	33,403	33,403	33,493
Marion.....	6	1,284	7,105	9,313	12,119	13,951	14,555	14,734	14,792	14,890
Marshall.....	(1)	2,707	14,778	18,979	23,510	28,510	29,622	29,948	30,041	30,334
Monroe.....	1,532	7,944	15,101	17,534	18,829	20,492	21,818	22,117	22,350	22,530
Montgomery.....	2,369	13,267	27,721	32,433	36,090	41,283	44,066	44,551	44,603	44,659
Morgan.....	(1)	2,723	11,583	14,676	17,932	20,845	21,629	21,884	21,917	22,071
Perry.....	1,562	8,003	18,488	21,725	25,301	29,623	31,759	32,183	32,284	32,326
Pickens.....	116	1,907	7,303	9,373	11,913	15,566	17,007	17,342	17,441	17,441
Pike.....	2,078	13,945	28,479	32,780	35,971	40,534	42,287	42,462	42,465	42,473
Randolph.....	8	2,117	15,360	17,951	20,804	23,657	23,801	23,801	23,807	23,818
Russell.....	383	6,454	15,975	20,447	24,011	27,408	29,947	31,069	31,299	31,460
St. Clair.....	13	6,140	7,770	9,320	11,158	12,063	12,119	12,119	12,119	12,182
Shelby.....	20	1,355	6,310	7,805	9,480	11,623	12,394	12,513	12,588	12,670
Sumter.....	265	2,295	6,612	9,540	12,106	14,086	15,049	15,189	15,713	15,713
Talladega.....	195	5,998	19,984	24,579	29,000	34,225	36,145	36,805	36,856	36,962
Tallapoosa.....	72	4,947	16,727	19,974	23,382	27,173	29,404	30,357	30,652	30,680
Tuscaloosa.....	360	3,440	10,047	13,492	16,188	19,705	21,244	21,737	21,933	22,024
Walker.....		237	3,177	4,500	5,954	7,539	7,983	8,124	8,169	8,225
Washington.....	31	443	959	1,124	1,291	1,500	1,500	1,500	1,500	1,607
Wilcox.....	1,510	8,474	18,498	21,322	24,452	28,757	29,669	30,021	30,033	30,058
Winston.....	(1)	719	4,148	5,879	7,644	8,594	8,855	8,877	8,929	9,058
All other.....	34	95	90	202	202	202	228	228	286	264

ARKANSAS.

The state.....	1,293	70,086	322,181	431,522	606,388	789,937	885,979	933,913	967,687	1,038,293
Arkansas.....		131	1,049	1,566	2,554	3,961	4,839	5,341	5,616	6,030
Ashley.....	14	2,129	7,080	9,132	12,187	16,103	18,286	19,326	20,246	21,993
Baxter.....		15	589	807	1,485	2,005	2,330	2,425	2,466	2,645
Bradley.....	22	727	2,463	3,399	4,676	6,468	7,116	7,352	7,397	7,468
Calhoun.....	8	247	1,911	2,764	4,139	5,691	6,408	6,606	6,740	6,834
Chicot.....	(1)	1,266	4,129	6,361	8,945	11,581	16,276	18,575	19,569	22,307
Clark.....	29	888	5,057	6,563	9,179	11,870	12,617	13,053	13,353	13,607
Clay.....		465	4,343	5,735	8,246	10,743	11,461	11,945	11,972	12,194
Cleburne.....		227	1,941	2,465	3,445	4,360	4,577	4,698	4,741	4,775
Cleveland.....	46	1,757	4,257	5,466	7,086	9,168	10,035	10,553	10,688	10,865

¹ Included in all other counties, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:
CROP OF 1913—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—								Total ginned.	
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.		Jan. 16.
ARKANSAS—Continued.										
Columbia.....	22	2,816	9,154	12,375	16,099	20,562	22,071	22,627	23,071	23,288
Conway.....	68	9,385	9,385	11,032	14,066	17,187	18,516	18,889	19,382	20,320
Craighead.....		274	3,707	4,910	7,549	11,180	13,238	14,033	14,377	14,671
Crawford.....	87	2,157	7,493	9,947	14,197	16,636	17,219	17,644	18,143	18,892
Crittenden.....	(1)	1,230	9,484	11,578	17,710	24,709	28,630	30,898	32,056	35,535
Cross.....	(1)	189	1,958	2,486	4,134	6,027	7,028	7,498	7,679	7,957
Dallas.....	35	500	1,651	2,260	3,344	4,472	4,980	5,160	5,265	5,344
Desh.....		513	2,858	4,290	6,220	8,604	10,753	11,175	12,090	16,047
Drew.....	13	898	4,490	6,074	8,673	12,184	14,606	15,664	16,554	18,006
Faulkner.....	22	3,383	11,322	13,417	17,528	21,688	22,845	23,800	24,534	25,306
Franklin.....	16	1,072	4,932	7,080	9,931	11,401	11,963	12,118	12,249	12,395
Fulton.....		23	907	1,440	2,250	3,130	3,578	3,807	3,902	4,063
Grant.....	8	553	2,107	2,769	3,812	4,937	5,267	5,600	5,733	5,796
Greene.....		162	2,381	3,381	5,252	7,273	9,001	9,268	9,618	9,938
Hempstead.....	102	3,354	9,961	12,655	16,130	18,518	19,108	19,266	19,352	19,455
Hot Spring.....	16	321	1,781	2,390	3,244	4,053	4,301	4,482	4,540	4,617
Howard.....	100	1,601	5,361	6,886	8,516	9,803	10,030	10,135	10,172	10,176
Independence.....		431	4,374	5,523	8,180	10,959	12,015	12,366	12,660	13,036
Izard.....		72	1,530	2,157	3,437	4,691	5,092	5,261	5,355	5,447
Jackson.....	5	1,527	8,605	11,516	16,928	22,940	26,652	28,576	30,121	32,927
Jefferson.....		1,899	11,223	17,389	24,405	33,632	40,489	45,868	48,706	60,047
Johnson.....	13	707	4,316	5,904	8,207	9,794	10,252	10,603	11,051	11,483
Lafayette.....	31	1,557	5,493	7,302	9,439	11,739	12,628	12,980	13,450	13,775
Lawrence.....		545	5,077	6,612	9,791	13,947	15,808	16,662	17,045	17,704
Lee.....	(1)	563	6,141	8,312	12,610	17,398	20,953	23,330	24,504	27,329
Lincoln.....	(1)	1,048	4,637	7,196	10,524	14,102	17,053	18,407	19,290	22,084
Little River.....	60	2,022	6,076	7,915	10,402	12,731	13,430	13,779	14,070	14,616
Logan.....	64	2,129	8,425	11,127	15,699	18,478	19,116	19,440	19,704	20,122
Lonoke.....	19	2,685	9,949	14,441	20,068	27,630	31,873	33,983	36,785	41,172
Miller.....	22	1,243	4,363	6,501	8,488	10,252	10,906	11,417	11,971	12,583
Mississippi.....	9	2,790	11,370	15,218	23,008	34,010	38,526	40,157	42,531	47,180
Monroe.....	18	904	5,142	6,372	9,131	11,937	14,067	14,953	15,786	16,170
Montgomery.....	(1)	141	1,460	2,106	3,186	3,718	3,833	3,896	3,911	3,922
Nevada.....	67	2,574	6,071	8,424	9,874	12,602	12,717	12,775	12,776	13,043
Ouachita.....	22	1,119	3,690	4,919	6,536	8,165	8,829	9,021	9,132	9,304
Perry.....	14	687	2,667	3,177	4,350	5,412	5,722	5,932	6,046	6,190
Phillips.....	(1)	1,495	10,266	13,340	19,134	25,752	30,848	33,853	36,082	40,737
Pike.....	(1)	177	1,680	2,204	3,066	3,779	3,897	4,011	4,066	4,101
Poinsett.....		62	1,121	1,593	3,086	4,709	5,616	5,880	6,083	7,005
Polk.....	(1)	193	1,461	2,204	2,935	3,437	3,637	3,558	3,618	3,619
Pope.....	74	2,304	9,303	11,580	15,698	18,587	19,827	20,300	20,955	21,461
Prairie.....	(1)	425	2,649	3,266	4,999	6,871	7,865	8,387	8,723	9,209
Pulaski.....	(1)	917	5,335	7,871	11,388	15,028	18,266	19,861	20,906	24,236
Randolph.....		370	2,872	3,531	5,315	6,885	7,817	8,263	8,350	8,485
St. Francis.....	(1)	699	6,404	8,242	13,154	18,185	21,370	23,107	24,072	26,336
Saline.....	(1)	228	2,079	2,877	4,132	5,503	6,205	6,719	6,864	7,436
Scott.....	(1)	567	3,281	4,795	6,464	8,056	8,515	8,815	8,924	8,983
Sebastian.....	68	1,796	6,661	8,820	11,848	13,694	14,086	14,387	14,548	14,800
Sevier.....	40	820	3,680	4,384	6,369	7,253	7,393	7,486	7,511	7,541
Sharp.....		64	1,452	1,907	2,934	4,152	4,508	4,606	4,804	4,908
Union.....	26	1,223	4,809	7,040	9,705	12,079	14,363	14,794	15,071	15,431
Van Buren.....		233	2,008	2,685	3,749	4,633	4,918	5,071	5,175	5,225
White.....	(1)	1,530	7,589	9,875	13,567	18,901	20,637	21,296	21,646	22,171
Woodruff.....		1,003	7,053	9,023	13,410	17,933	20,568	22,148	23,146	25,347
Yell.....	53	1,929	9,303	11,514	16,688	21,059	22,070	22,644	23,378	24,051
All other.....	80	54	512	2,842	3,227	4,084	7,212	7,293	7,406	8,373

FLORIDA.

The state.....	2,960	16,367	35,956	47,315	53,217	58,485	63,082	65,299	65,765	66,700
Alachua.....	80	1,551	3,750	4,656	5,261	5,630	5,883	6,057	6,078	6,090
Baker.....		66	306	454	562	709	773	796	796	807
Bradford.....	12	534	1,000	1,941	2,227	2,485	2,596	2,661	2,669	2,673
Columbia.....	38	528	1,588	2,046	2,282	2,453	2,576	2,607	2,607	2,607
Hamilton.....	(1)	652	1,573	2,083	2,600	3,214	3,560	3,766	3,793	3,805
Holmes.....	260	1,359	2,753	3,076	3,321	3,410	3,473	3,735	3,741	3,747
Jackson.....	1,831	7,202	12,737	14,837	16,226	17,355	17,842	18,079	18,164	18,285
Jefferson.....	166	1,103	2,076	3,249	3,547	3,950	4,419	4,665	4,675	4,683
Lafayette.....		89	290	308	493	564	605	619	619	607
Leon.....	62	600	1,739	2,300	2,750	3,217	3,860	4,045	4,049	4,055
Madison.....	39	557	1,909	2,754	3,508	4,231	4,925	5,220	5,300	5,340
Suwanee.....		483	1,886	2,825	3,407	3,957	4,205	4,598	4,612	4,616
Taylor.....		(1)	(1)	(1)	(1)	149	160	173	178	181
Washington.....	(1)	(1)	1,171	1,330	1,455	1,564	1,625	1,646	1,667	1,667
All other.....	472	1,599	1,922	5,306	5,458	5,597	6,490	6,632	6,817	7,447

¹ Included in all other counties, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

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TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
GEORGIA.										
The state.....	72,352	491,511	1,296,911	1,606,506	1,823,789	2,066,109	2,215,308	2,293,976	2,314,101	2,346,237
Appling.....	150	1,865	4,209	5,362	6,051	6,783	7,261	7,825	7,858	7,916
Baker.....	851	2,025	5,343	6,033	6,794	7,189	7,706	7,877	7,935	7,966
Baldwin.....	104	2,919	6,689	8,097	8,985	10,237	11,159	11,574	11,631	11,643
Banks.....	7	443	4,541	6,743	8,216	9,821	10,833	11,942	11,642	12,114
Bartow.....	8	4,187	13,550	16,430	19,209	22,163	23,220	23,798	23,870	24,235
Ben Hill.....	326	3,836	6,291	7,422	8,222	9,052	9,611	10,201	10,293	10,373
Berrien.....	496	4,130	9,091	11,927	13,680	15,443	17,163	18,015	18,176	18,291
Bibb.....	69	2,022	5,530	6,857	7,858	9,198	9,783	10,484	10,602	10,690
Blackley.....	266	3,623	8,092	9,738	10,727	12,008	12,669	12,863	12,894	12,985
Brooks.....	2,268	6,501	9,802	11,218	12,497	13,317	14,135	14,425	14,507	14,535
Bryan.....	75	952	1,945	2,352	2,795	3,085	3,237	3,343	3,374	3,385
Bulloch.....	2,009	11,936	23,530	29,505	33,067	36,142	39,277	40,385	41,347	41,667
Burke.....	2,363	14,825	32,055	38,263	41,870	46,108	49,320	51,684	52,397	53,687
Burton.....	7	1,683	7,809	10,210	11,795	12,970	14,181	14,613	14,785	14,958
Calhoun.....	2,870	7,508	12,520	13,937	15,236	16,655	17,144	17,793	17,799	17,799
Campbell.....	1,346	7,004	9,067	9,067	11,007	12,698	13,756	14,230	14,309	14,365
Carroll.....	4	3,291	19,354	25,789	30,645	36,126	38,464	39,240	39,517	39,878
Chattahoochee.....	(1)	811	3,111	4,059	4,647	5,268	5,987	6,132	6,331	6,336
Chattooga.....	(1)	1,937	7,194	9,038	10,628	12,641	13,284	13,456	13,479	13,664
Cherokee.....	864	5,894	7,736	7,736	9,297	10,942	11,979	12,400	12,487	12,727
Clarke.....	(1)	943	5,963	8,171	9,624	11,020	11,952	12,563	12,668	13,291
Clay.....	1,320	5,103	9,173	10,609	11,516	12,419	13,308	13,320	13,320	13,333
Clayton.....	439	5,260	7,104	8,694	10,515	11,527	12,091	12,169	12,169	12,459
Cobb.....	(1)	2,065	9,893	12,629	14,773	17,530	19,171	19,784	19,946	20,180
Coffee.....	943	5,526	11,112	13,731	15,468	16,860	18,205	19,059	19,269	19,453
Colquitt.....	2,545	9,719	15,877	17,425	19,099	21,518	21,953	22,200	22,372	22,405
Columbia.....	88	3,229	9,234	11,491	14,417	16,805	18,484	16,055	16,133	16,185
Coweta.....	(1)	2,340	14,052	18,355	22,268	26,000	27,857	29,304	29,616	30,500
Crawford.....	21	1,128	3,126	4,287	4,858	5,406	6,000	6,000	6,306	6,453
Crisp.....	2,400	10,100	16,884	19,456	21,418	22,913	23,724	24,098	24,175	24,283
Decatur.....	1,290	5,588	10,091	11,350	12,292	13,473	14,271	14,626	14,800	14,854
DeKalb.....	481	5,212	7,355	7,355	8,859	10,593	11,696	12,109	12,267	12,513
Dodge.....	2,128	12,545	22,704	26,361	28,467	31,215	33,087	34,172	34,360	34,503
Dooley.....	2,699	13,726	26,561	30,375	33,019	35,876	37,958	38,957	39,140	39,365
Dougherty.....	2,163	6,629	12,403	12,947	14,129	15,300	16,465	16,908	17,021	17,362
Douglas.....	1,070	5,415	7,108	8,330	9,565	10,159	10,346	10,406	10,406	10,549
Early.....	2,199	7,332	12,869	14,962	16,379	17,925	18,949	19,247	19,280	19,385
Effingham.....	27	1,188	2,725	3,238	3,456	3,702	3,984	4,221	4,233	4,321
Elbert.....	(1)	2,488	11,590	15,256	17,239	19,769	21,431	22,176	22,391	22,615
Emanuel.....	897	9,266	22,014	27,341	30,261	34,386	38,121	39,933	40,697	41,293
Fayette.....	474	5,505	7,534	9,457	11,554	12,484	12,964	13,132	13,132	13,669
Floyd.....	11	3,493	11,378	14,587	17,123	19,911	21,938	21,938	21,938	21,913
Forsyth.....	146	3,970	5,778	7,212	8,837	9,769	10,243	10,424	10,424	10,719
Franklin.....	1,213	10,323	14,392	17,457	20,912	22,797	23,965	24,273	24,273	25,253
Fulton.....	58	949	1,265	1,587	1,587	1,875	2,303	2,371	2,524	2,544
Glascok.....	(1)	565	1,994	2,578	2,882	3,272	3,645	3,795	3,817	3,874
Gordon.....	(1)	2,431	8,640	10,293	12,002	14,024	14,732	14,929	15,006	15,144
Grady.....	653	2,760	4,433	4,930	5,197	5,378	5,705	5,970	6,028	6,123
Greene.....	15	2,748	10,105	12,648	14,235	16,231	17,350	17,945	18,031	18,153
Gwinnett.....	1,097	12,354	17,371	21,230	25,435	27,925	28,984	29,218	29,218	29,873
Hall.....	283	5,696	8,701	11,053	13,569	15,110	16,057	16,374	16,374	17,282
Hancock.....	31	3,734	10,892	13,311	14,699	17,997	18,204	18,204	18,254	18,259
Haralson.....	891	6,214	8,193	9,636	11,491	12,132	12,338	12,400	12,534	12,534
Harris.....	(1)	2,211	11,519	14,883	18,032	21,112	23,018	24,269	24,390	24,566
Hart.....	(1)	1,638	11,170	15,335	17,238	19,911	20,885	21,753	21,943	22,224
Heard.....	1,180	6,918	8,549	10,444	12,045	13,310	13,529	13,709	13,709	13,816
Henry.....	(1)	1,668	12,695	17,108	20,385	24,555	27,337	27,752	28,657	28,657
Houston.....	326	4,078	12,946	16,171	18,044	19,609	21,322	22,297	22,459	22,554
Irwin.....	853	5,478	11,687	14,094	15,532	17,619	18,506	19,029	19,332	19,519
Jackson.....	3	2,146	18,461	25,323	31,246	37,573	40,098	42,107	42,731	44,650
Jasper.....	18	3,498	13,350	17,121	19,749	22,554	24,253	25,434	25,883	26,224
Jeff Davis.....	(1)	1,195	2,674	3,195	3,544	3,875	4,174	4,233	4,252	4,284
Jefferson.....	733	7,223	17,573	21,047	22,834	25,177	26,933	27,821	27,963	28,311
Jenkins.....	1,286	6,784	13,089	15,531	16,798	18,539	19,960	20,666	20,981	21,152
Johnson.....	541	6,731	13,389	15,245	16,440	18,200	19,112	19,474	19,742	19,810
Jones.....	28	2,149	7,287	8,964	10,352	11,960	12,882	13,723	13,761	13,806
Laurens.....	988	14,204	31,725	37,643	42,376	46,861	50,344	52,277	52,551	53,740
Lee.....	1,150	5,473	10,913	13,344	14,570	15,589	16,611	17,112	17,302	17,421
Lincoln.....	(1)	1,880	4,512	6,022	7,053	8,254	9,411	9,704	9,897	10,002
Lowndes.....	153	2,611	6,018	7,796	8,996	10,189	11,150	11,866	12,012	12,084
Lumpkin.....	162	307	421	421	560	638	681	696	696	744
McDuffie.....	(1)	1,834	5,530	6,962	7,793	8,800	9,617	9,950	9,976	10,074
Macon.....	460	4,060	10,761	13,115	14,595	16,293	17,368	17,771	17,946	17,915
Madison.....	(1)	1,790	12,538	17,239	20,096	23,113	24,767	25,737	25,813	26,166
Marion.....	54	2,153	5,670	6,878	7,824	8,869	9,596	9,705	9,705	10,175
Meriwether.....	3	2,751	15,946	20,601	24,915	29,084	31,215	32,667	32,822	32,970
Miller.....	431	2,235	3,828	4,673	5,174	5,645	6,139	6,193	6,193	6,292
Milton.....	431	3,729	4,928	5,872	7,188	7,648	7,861	7,920	7,920	8,013
Mitchell.....	4,792	16,710	23,957	27,197	28,540	30,607	31,814	32,300	32,447	32,734
Monroe.....	55	3,171	12,742	15,863	18,385	21,095	22,677	24,101	24,230	24,506

¹ Included in all other counties, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
GEORGIA—Continued.										
Montgomery.....	559	4,407	8,960	11,043	12,418	14,103	15,141	15,763	15,989	16,082
Morgan.....	18	2,702	13,507	17,401	20,540	23,747	25,328	26,632	26,810	27,505
Murray.....	(1)	587	1,832	2,557	3,123	3,392	3,431	3,454	3,454	3,475
Muscogee.....	51	1,072	4,156	5,075	5,793	6,737	7,504	7,820	7,867	7,940
Newton.....	14	2,973	12,661	16,173	18,586	21,293	22,995	23,758	23,890	24,230
Oconee.....	(1)	2,057	6,941	11,757	13,455	15,775	16,880	17,394	17,445	17,744
Oglethorpe.....	(1)	1,725	11,631	15,887	18,956	21,680	24,069	25,143	25,674	26,439
Paulding.....	(1)	1,770	6,952	8,471	9,600	10,803	11,530	11,749	11,798	11,926
Pickens.....		67	1,117	1,703	2,146	2,775	2,957	3,063	3,107	3,183
Pierce.....	108	874	2,157	2,946	3,491	4,109	4,500	4,813	4,907	4,931
Pike.....	23	1,973	11,506	14,925	17,819	20,695	21,873	22,887	22,994	23,204
Polk.....	(1)	2,487	9,335	12,003	13,933	16,146	17,172	17,614	17,641	17,718
Pulaski.....	1,047	5,893	11,101	12,956	14,152	15,545	16,341	16,775	16,864	16,895
Putnam.....	29	2,127	7,582	9,926	10,959	12,345	13,541	14,157	14,411	14,419
Quitman.....	238	1,428	3,426	3,989	4,416	4,827	5,136	5,260	5,277	5,347
Randolph.....	3,522	11,043	19,332	22,228	24,194	26,475	27,745	28,097	28,137	28,153
Richmond.....	433	3,384	6,872	8,002	8,605	9,607	10,136	10,477	10,595	10,765
Rockdale.....		930	5,316	6,882	8,136	9,217	9,922	10,288	10,388	10,530
Schley.....	82	1,292	3,700	4,522	5,233	6,031	6,707	6,906	6,917	6,928
Screven.....	1,439	9,818	19,597	23,577	25,743	28,670	31,217	32,776	33,421	34,351
Spalding.....	(1)	756	7,390	10,330	12,596	14,719	16,224	17,415	17,617	18,526
Stephens.....		169	2,742	3,999	4,765	5,895	6,546	6,903	7,024	7,267
Stewart.....	175	2,770	8,649	10,631	12,195	13,932	15,184	15,943	16,057	16,178
Sumter.....	2,290	11,165	23,430	27,805	31,238	34,947	36,926	38,328	38,624	39,005
Talbot.....	22	1,207	5,543	6,919	8,283	9,685	10,752	11,361	11,413	11,443
Taliaferro.....	7	1,479	5,603	7,016	7,972	9,118	9,782	9,969	9,981	10,013
Tattall.....	604	5,173	11,073	13,927	15,936	18,295	19,737	20,623	20,884	21,340
Taylor.....	150	3,051	7,335	8,955	10,153	11,251	11,968	12,419	12,419	12,493
Telfair.....	436	4,574	9,104	11,089	12,550	13,810	15,151	15,416	16,012	16,350
Terrell.....	4,403	14,476	27,086	30,147	33,137	35,903	37,598	38,441	38,482	38,614
Thomas.....	3,144	10,620	16,378	18,456	19,602	20,854	21,745	22,543	22,600	22,634
Tift.....	1,313	5,828	10,953	12,691	13,853	15,038	15,828	16,257	16,397	16,412
Toombs.....	303	3,104	7,126	8,582	9,915	12,216	12,293	13,132	13,324	13,542
Troup.....	25	3,629	13,135	16,390	19,107	21,974	23,776	24,638	24,941	25,052
Turner.....	1,530	8,329	15,144	17,546	19,115	20,810	21,608	22,059	22,124	22,151
Twiggs.....	79	2,955	7,072	8,548	9,572	10,925	11,978	12,498	12,575	12,592
Upson.....	20	1,329	7,518	9,748	11,235	13,236	14,460	15,133	15,195	15,407
Walker.....		798	3,929	5,142	6,486	7,603	7,799	7,846	7,863	7,885
Walton.....	22	5,693	24,720	30,902	35,677	40,658	43,105	44,640	45,045	45,801
Ware.....	25	247	742	1,027	1,207	1,368	1,490	1,573	1,583	1,602
Warren.....	12	2,203	6,945	8,694	9,540	10,971	11,918	12,221	12,275	12,422
Washington.....	278	6,875	17,060	20,992	22,886	25,574	27,586	28,538	28,638	28,832
Wayne.....	78	1,081	2,493	3,252	3,781	4,344	4,767	4,965	4,999	5,031
Webster.....	78	998	3,028	3,731	4,232	4,650	5,157	5,383	5,409	5,422
Wheeler.....	357	2,542	4,684	5,691	6,400	7,238	7,737	7,889	8,024	8,072
Whitfield.....		722	3,168	4,236	5,306	6,066	6,160	6,205	6,217	6,242
Wilcox.....	2,641	10,465	18,931	21,533	22,447	24,987	25,745	25,987	26,108	26,776
Wilkes.....	(1)	2,554	12,707	16,933	19,294	23,172	25,363	26,575	26,770	26,936
Wilkinson.....	40	1,858	4,768	5,379	6,614	7,608	8,274	8,613	8,694	8,764
Worth.....	2,736	11,937	26,472	22,786	24,709	26,473	27,921	28,462	28,575	28,805
All other.....	231	291	1,368	4,848	5,440	6,143	9,129	9,324	9,470	10,682

LOUISIANA.

The state.....	7,449	77,865	164,034	222,464	276,271	342,383	391,454	410,614	420,384	438,855
Acadia.....	490	3,356	4,539	5,509	6,780	7,964	8,400	8,569	8,621	8,668
A voyelles.....	727	6,513	9,971	12,257	13,876	14,612	14,737	14,908	15,023	15,109
Bienville.....	216	3,209	7,710	10,344	13,273	16,070	17,457	17,813	18,269	18,357
Bossier.....	123	4,097	8,884	11,887	15,705	20,216	22,748	24,156	24,924	26,682
Caddo.....	1,191	7,168	14,651	19,673	24,832	32,057	35,777	37,515	39,728	44,026
Catahoula.....		439	1,251	1,832	2,643	4,052	5,115	5,424	5,448	5,471
Claiborne.....	212	4,204	11,341	14,593	18,251	22,716	25,308	26,194	26,602	26,774
De Soto.....	930	6,548	12,360	15,977	19,403	23,523	25,714	26,416	26,928	27,188
East Carroll.....	(1)	506	2,083	3,629	4,868	6,486	8,067	9,609	9,991	10,273
East Feliciana.....	248	1,874	2,825	3,427	3,731	3,814	3,829	3,830	3,832	3,851
Evangeline.....	692	4,744	6,154	7,687	8,901	9,589	9,810	9,930	9,942	10,067
Franklin.....	17	1,769	4,499	5,937	7,669	9,775	10,747	11,845	11,993	12,206
Jackson.....	14	844	1,207	2,767	3,811	4,506	4,873	5,029	5,189	5,275
Lafayette.....	423	4,475	6,533	7,903	8,954	9,926	10,628	10,794	10,897	10,902
La Salle.....		43	137	204	286	426	540	583	611	621
Lincoln.....	95	2,100	4,496	5,553	6,750	8,265	8,927	9,252	9,306	9,390
Madison.....		77	819	1,355	2,143	3,304	4,677	5,511	6,201	6,372
Morehouse.....	8	897	4,762	6,207	8,296	11,502	14,480	15,934	16,674	17,608
Natchitoches.....	719	4,069	9,537	13,478	17,049	21,706	24,041	24,994	25,349	25,702
Ouachita.....	36	880	2,921	3,831	5,078	6,869	8,650	9,402	9,707	9,857
Rapides.....	125	2,091	5,024	6,468	7,774	9,605	10,148	10,235	10,271	10,283
Red River.....	134	1,768	4,416	7,022	9,312	12,675	14,020	14,747	15,000	15,986
Richland.....	47	2,655	6,561	8,258	10,322	12,799	15,330	16,146	16,437	16,839
Sabine.....	107	1,731	3,780	5,218	6,623	8,234	9,986	9,458	9,557	9,676
St. Landry.....	593	5,727	9,231	11,704	13,025	14,549	15,154	15,406	15,542	15,574

¹ Included in all other counties, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

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**TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:
CROP OF 1913—Continued.**

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
LOUISIANA—Continued.										
Tensas.....	(¹)	198	1,314	1,779	2,263	4,208	6,678	7,729	8,071	8,305
Union.....	51	1,414	4,389	5,798	7,431	9,268	10,370	10,727	11,037	11,264
Webster.....	46	1,150	4,316	6,250	8,294	10,331	11,799	12,783	13,142	13,432
West Carroll.....	(¹)	694	2,179	2,941	4,089	5,243	5,961	6,080	6,161	6,194
All other.....	205	2,535	5,534	12,996	14,839	18,003	28,476	29,295	29,901	34,913
MISSISSIPPI.										
The state.....	2,052	120,593	435,690	568,005	734,988	955,808	1,084,660	1,142,921	1,176,539	1,251,841
Alcorn.....	(¹)	436	3,831	5,336	7,159	9,353	9,825	9,948	10,090	10,170
Attala.....	29	1,500	4,703	5,886	7,498	9,497	10,200	10,451	10,552	10,710
Benton.....	37	7,109	27,922	3,921	5,329	7,472	8,273	8,478	8,515	8,535
Bolivar.....	12	995	29,044	38,897	53,485	73,343	84,937	91,358	96,932	112,755
Calhoun.....	11	1,567	4,944	6,448	8,511	11,300	12,455	12,715	12,842	13,026
Carroll.....	71	2,923	6,405	7,760	9,778	13,176	15,285	15,631	16,045	16,154
Chickasaw.....	16	945	9,886	11,937	14,970	18,813	19,963	20,369	20,416	20,492
Choctaw.....	(¹)	717	2,961	3,540	4,479	5,396	5,647	5,714	5,743	5,792
Clalborne.....	28	200	1,956	2,435	2,909	3,719	4,117	4,182	4,186	4,196
Clarke.....	108	2,540	544	759	1,061	1,364	1,561	1,615	1,624	1,654
Clay.....	(¹)	340	7,721	9,147	11,290	13,724	14,505	14,634	14,659	14,695
Coahoma.....	14	340	17,332	24,955	33,551	46,914	56,655	64,330	68,270	80,105
Copiah.....	22	556	1,028	1,341	1,686	2,179	2,490	2,456	2,521	2,540
Covington.....	(¹)	1,207	1,221	1,521	1,715	1,884	1,900	2,099	2,126	2,136
De Soto.....	11	892	9,274	12,464	16,712	21,661	25,268	27,001	27,530	28,839
Grenada.....	31	4,002	4,765	6,110	8,001	10,060	13,042	13,433	13,602	13,706
Hinds.....	32	6,022	10,099	19,207	22,613	28,313	32,406	33,765	34,675	35,739
Holmes.....	(¹)	84	451	892	1,715	1,884	3,901	5,025	5,351	5,858
Issaquena.....	9	313	4,593	6,656	8,372	10,093	10,817	10,940	10,979	11,014
Itawamba.....	(¹)	193	900	1,224	1,791	2,208	2,490	2,506	2,627	2,640
Jasper.....	35	956	821	1,184	1,679	2,296	2,761	2,882	2,979	2,986
Jefferson.....	72	966	2,033	2,396	2,807	3,206	3,445	3,495	3,553	3,561
Jefferson Davis.....	45	1,790	1,901	2,435	2,809	3,180	3,310	3,421	3,463	3,540
Jones.....	37	1,014	5,443	6,965	9,103	11,463	12,086	12,282	12,384	12,547
Kemper.....	(¹)	799	4,842	6,594	9,120	12,528	13,929	14,164	14,421	14,537
Lafayette.....	28	923	2,686	3,410	4,467	5,607	6,304	6,548	6,739	7,035
Lauderdale.....	32	940	1,826	2,218	2,559	2,806	3,062	3,155	3,176	3,179
Lawrence.....	40	5,193	2,492	3,090	3,947	5,066	5,422	5,644	5,741	5,835
Leake.....	(¹)	7,007	15,816	18,848	22,983	27,711	28,834	29,253	29,300	29,426
Lee.....	169	3,311	21,497	28,292	36,381	47,380	56,849	61,752	64,099	71,631
Leflore.....	60	4,172	10,279	13,602	15,589	18,371	21,556	23,847	23,955	24,069
Lowndes.....	60	6,172	9,570	11,190	13,533	15,653	16,108	16,168	16,168	16,234
Madison.....	145	5,089	7,407	10,280	14,777	19,174	21,564	22,497	22,569	22,912
Marshall.....	16	1,414	16,195	19,817	23,685	28,838	30,205	30,528	30,630	30,829
Monroe.....	17	672	10,279	13,602	15,589	18,371	21,556	23,847	23,955	24,069
Montgomery.....	15	184	9,570	11,190	13,533	15,653	16,108	16,168	16,168	16,234
Neshoba.....	215	3,917	7,407	10,280	14,777	19,174	21,564	22,497	22,569	22,912
Newton.....	115	2,202	6,951	8,241	10,099	12,407	13,045	13,215	13,258	13,312
Noxubee.....	(¹)	2,523	10,705	13,466	17,192	21,277	23,478	23,954	24,107	24,503
Oktibbeha.....	69	1,017	6,951	8,241	10,099	12,407	13,045	13,215	13,258	13,312
Panola.....	8	1,759	12,889	16,693	22,437	29,327	34,013	34,964	35,244	35,360
Pike.....	6	1,386	2,015	2,845	3,280	3,703	4,022	4,046	4,176	4,182
Pontotoc.....	6	534	2,015	2,845	3,280	3,703	4,022	4,046	4,176	4,182
Prentiss.....	8	1,759	7,628	9,634	12,537	15,580	16,528	16,675	16,758	16,812
Quitman.....	6	534	6,480	8,211	10,537	13,128	13,919	14,200	14,281	14,440
Rankin.....	(¹)	212	4,977	6,713	10,150	13,655	16,661	17,956	18,571	19,881
Sharkey.....	(¹)	206	650	951	1,362	1,867	2,014	2,057	2,059	2,073
Simpson.....	22	782	2,305	4,558	6,525	10,406	13,734	15,869	17,372	20,178
Smith.....	31	721	1,751	2,214	2,607	3,077	3,282	3,344	3,351	3,362
Sundowner.....	74	10,149	1,506	2,016	2,331	2,582	2,747	2,795	2,812	2,827
Tallahatchie.....	(¹)	3,063	28,330	36,525	48,727	62,294	71,676	76,008	79,900	89,770
Tate.....	(¹)	3,063	13,999	18,734	24,995	34,310	40,762	43,906	45,815	49,176
Tippah.....	1	466	7,790	10,187	13,491	17,340	19,550	20,402	20,642	20,800
Tishomingo.....	604	4,355	5,645	7,470	9,672	10,245	10,465	10,514	10,514	10,684
Tunica.....	(¹)	712	3,579	4,690	6,168	7,563	7,939	8,061	8,116	8,191
Union.....	(¹)	1,207	8,118	11,362	16,496	22,531	26,332	29,386	30,421	35,338
Warren.....	(¹)	506	1,207	1,782	2,469	3,205	4,129	5,883	6,807	7,602
Washington.....	127	7,130	1,825	2,469	3,205	4,129	5,883	6,807	7,602	8,412
Wayne.....	25	448	23,296	32,141	42,076	56,540	66,477	73,427	78,775	87,412
Webster.....	13	1,349	1,098	1,445	1,756	1,959	2,051	2,103	2,114	2,217
Winston.....	3	831	5,248	6,376	8,275	10,427	11,101	11,259	11,285	11,342
Yalobusha.....	10	1,525	6,871	8,848	11,476	15,631	17,774	18,131	18,236	18,394
Yazoo.....	30	3,323	9,714	12,651	16,144	22,076	26,823	28,968	29,649	30,469
All other.....	102	1,806	3,822	7,942	8,901	10,271	13,304	13,673	13,958	14,333

¹ Included in all other counties, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:
CROP OF 1913—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—								Total ginned.	
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.		Jan. 16.
MISSOURI.										
The state.....	4	5,114	22,626	29,152	39,803	52,553	59,376	61,623	62,467	63,761
Dunklin.....		2,280	10,702	13,679	18,642	24,957	28,513	29,674	29,983	30,458
New Madrid.....	(1)	857	3,571	4,623	6,046	7,885	8,757	8,979	9,105	9,294
Oregon.....		(1)	50	104	166	223	307	321	329	338
Pemiscot.....	(1)	1,490	5,768	7,549	10,510	13,885	15,309	15,922	16,246	16,575
Stoddard.....		426	1,840	2,167	2,991	3,677	3,901	3,987	3,992	4,034
All other.....	4	61	695	1,025	1,448	1,926	2,584	2,740	2,812	3,062
NORTH CAROLINA.										
The state.....	177	49,952	252,193	384,260	493,360	622,369	708,598	759,800	783,817	837,995
Alexander.....			526	1,072	1,492	1,978	2,230	2,392	2,423	2,591
Anson.....	87	3,655	11,594	15,644	18,488	21,307	23,067	24,018	24,259	25,515
Beaufort.....		303	3,295	4,466	4,466	6,045	7,477	8,272	8,644	9,551
Bertie.....		56	1,255	2,990	4,692	6,994	9,453	10,698	11,607	13,373
Bladen.....		478	2,132	3,380	4,714	6,087	6,879	7,450	7,673	7,958
Cabarrus.....	(1)	1,120	4,996	7,229	9,211	10,708	11,591	11,636	12,235	12,676
Camden.....		55	976	1,855	2,945	3,551	3,652	3,811	3,875	4,040
Catawba.....		182	4,073	6,007	7,397	8,911	9,518	9,845	9,934	10,137
Chatham.....		152	2,094	4,200	5,661	7,083	7,943	8,350	8,505	8,803
Chowan.....		123	1,139	1,869	2,617	3,222	3,788	4,407	4,523	4,888
Cleveland.....		627	9,544	13,856	16,374	19,727	21,452	22,422	22,721	23,482
Columbus.....		463	2,434	3,924	5,303	7,221	8,129	8,667	8,903	9,114
Craven.....		140	909	1,994	2,716	3,748	4,481	4,987	5,307	5,395
Cumberland.....	(1)	2,400	7,649	10,528	13,201	16,159	17,491	18,262	18,689	19,155
Davidson.....		5	559	1,019	1,625	2,232	2,523	2,736	2,771	2,985
Davie.....			261	725	1,158	1,814	2,153	2,411	2,461	2,619
Duplin.....		799	2,331	4,409	5,943	8,041	9,306	10,010	10,192	10,645
Durham.....		45	375	584	773	1,035	1,269	1,291	1,383	1,484
Edgecombe.....	(1)	396	5,894	9,596	12,435	17,142	20,541	23,118	24,526	26,676
Franklin.....		479	4,136	7,052	8,377	11,433	12,721	13,529	14,129	15,536
Gaston.....		516	5,415	7,809	9,280	10,976	12,178	12,910	13,206	13,706
Gates.....		75	1,301	2,062	2,589	3,751	4,384	4,604	4,889	5,207
Greene.....		70	992	2,154	3,199	4,823	6,189	6,862	7,542	8,008
Halifax.....		691	5,939	10,851	15,874	20,942	24,694	26,866	28,032	32,110
Harnett.....	(1)	2,499	7,545	10,380	13,047	15,967	17,677	18,403	18,918	19,463
Hertford.....		36	536	1,124	1,683	2,452	3,485	4,214	4,435	5,039
Hoke.....	(1)	2,120	6,454	8,791	10,445	12,413	13,343	13,872	14,145	14,490
Iredell.....		214	4,763	7,581	9,674	12,016	13,233	14,007	14,222	15,108
Johnston.....	6	4,251	13,507	19,285	23,694	30,365	34,593	36,716	37,674	38,751
Jones.....		223	1,033	1,890	2,631	3,755	4,528	4,588	4,904	5,068
Lee.....		419	2,502	3,513	4,310	5,372	5,904	6,330	6,482	6,737
Lenoir.....		737	2,501	4,027	5,503	7,538	8,985	9,600	10,002	10,616
Lincoln.....		241	3,008	5,437	6,364	7,183	7,986	8,144	8,258	8,522
Martin.....		150	1,378	2,524	3,624	5,130	6,832	8,050	8,405	9,745
Mecklenburg.....	(1)	972	10,932	16,876	21,181	25,083	27,458	29,183	29,589	31,164
Montgomery.....		217	1,601	2,532	3,264	4,088	4,651	4,908	5,060	5,237
Moore.....		138	1,274	1,940	2,625	3,276	3,632	3,765	3,870	4,017
Nash.....		364	5,443	9,642	13,811	18,717	22,780	25,212	26,509	29,860
Northampton.....		283	3,615	6,022	8,245	10,629	12,756	14,038	14,596	16,171
Onslow.....		125	653	1,045	1,718	2,689	3,431	3,855	3,988	4,437
Orange.....		12	484	752	1,026	1,295	1,523	1,602	1,656	1,735
Pamlico.....		149	913	1,048	2,257	3,109	3,802	4,191	4,373	4,682
Pasquotank.....		48	1,040	1,972	2,703	3,755	4,497	4,951	5,180	5,313
Perquimans.....	(1)		1,921	2,914	4,236	5,395	6,501	6,985	7,014	7,308
Pitt.....		465	3,049	5,724	8,558	12,642	16,194	18,423	19,500	21,656
Polk.....			538	982	1,247	1,537	1,675	1,719	1,740	1,767
Richmond.....	16	1,847	6,207	8,536	10,205	12,009	13,028	13,424	13,648	13,931
Robeson.....	29	6,475	20,124	28,323	35,993	43,431	47,283	50,325	51,773	54,039
Rowan.....		343	3,346	5,653	7,081	8,552	9,320	9,687	9,862	10,278
Rutherford.....		246	4,095	6,043	7,067	8,745	9,517	9,896	10,024	10,253
Sampson.....	(1)	2,387	7,163	9,810	11,951	15,985	17,582	19,168	20,204	21,510
Scotland.....	(1)	4,305	12,804	16,545	19,435	23,464	24,884	26,243	26,608	27,649
Stanly.....		191	2,767	4,136	5,292	6,551	7,555	8,062	8,214	8,488
Union.....	3	1,231	11,771	17,247	21,318	24,848	27,164	28,617	29,181	31,409
Vance.....		68	3,972	1,726	2,714	3,507	3,949	4,203	4,290	4,375
Wake.....		2,890	11,143	15,382	18,878	23,011	25,392	26,720	27,343	28,530
Warren.....		200	2,773	5,183	7,386	9,237	10,112	10,730	11,051	11,653
Washington.....		48		1,204	1,581	2,379	3,047	3,432	3,564	3,741
Wayne.....	(1)	2,355	8,046	12,267	16,118	20,577	23,916	26,341	27,465	29,965
Wilson.....		456	4,358	7,422	10,623	14,953	18,024	19,929	21,296	23,557
All other.....	36	247	1,312	3,608	4,777	5,784	9,260	10,103	10,285	12,994

¹ Included in all other counties, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
OKLAHOMA.										
The state.....	5,106	148,979	391,258	536,303	666,736	764,295	789,782	804,313	825,069	842,499
Adair.....		107	426	560	758	789	819	822	822	822
Afoka.....	84	1,780	4,761	6,661	8,679	9,636	9,923	10,068	10,161	10,189
Beckham.....	10	1,202	5,163	8,158	9,845	11,539	11,658	11,979	12,644	13,080
Bryan.....	247	5,716	15,166	22,684	30,164	35,395	37,127	37,507	37,786	39,032
Caddo.....	64	3,634	11,361	15,548	18,527	21,036	21,479	21,699	22,276	22,987
Canadian.....		95	613	850	1,083	1,224	1,259	1,345	1,375	1,405
Cartar.....	85	5,358	10,943	14,712	17,937	20,024	20,317	20,465	20,951	21,330
Cherokee.....	(1)	849	2,532	3,576	4,698	5,063	5,240	5,354	5,396	5,566
Choctaw.....	202	3,299	9,657	12,890	16,910	19,221	19,565	19,827	20,165	20,447
Cleveland.....	46	1,973	6,127	8,431	10,200	11,361	11,638	11,800	12,097	12,264
Coal.....	113	1,421	3,490	4,744	6,239	6,685	6,778	6,839	6,873	6,915
Comanche.....	12	2,347	6,853	10,044	12,083	13,804	14,219	14,313	14,584	15,096
Cotton.....	12	1,533	4,448	6,649	8,404	9,923	10,127	10,220	10,624	11,071
Creek.....	96	3,254	8,581	11,048	13,370	16,155	17,692	18,484	18,802	19,087
Custer.....		84	496	894	1,150	1,415	1,471	1,534	1,623	1,675
Dewey.....		(1)	131	179	220	270	284	284	293	301
Garvin.....	353	6,072	14,350	19,744	23,127	26,058	26,602	26,867	27,423	27,900
Grady.....	12	2,071	6,646	9,152	10,920	13,475	13,662	13,886	14,394	14,584
Greer.....	10	1,115	4,193	7,041	8,708	10,153	10,789	10,939	11,606	12,182
Harmon.....	5	1,025	3,397	5,265	6,240	7,171	7,309	7,449	7,607	8,078
Haskell.....	150	2,511	6,930	9,072	12,106	14,036	14,361	14,643	14,970	15,151
Hughes.....	533	6,635	15,939	20,850	26,661	29,720	30,893	31,456	32,116	32,391
Jackson.....	19	1,511	3,831	6,077	7,288	8,830	8,927	9,144	9,311	10,136
Jefferson.....	67	3,290	6,898	10,155	11,900	13,154	13,501	13,576	13,720	13,724
Johnston.....	240	4,907	10,710	14,873	18,640	20,488	21,623	21,836	22,475	22,645
Kingfisher.....		242	1,234	1,643	1,966	2,252	2,417	2,449	2,477	2,523
Kiowa.....	26	2,652	7,609	11,240	13,255	15,751	16,009	16,161	17,102	17,747
Latimer.....	7	1,832	1,420	1,861	2,065	2,102	2,102	2,129	2,132	2,143
Le Flore.....	128	3,498	10,540	13,700	18,002	20,554	21,161	21,488	21,933	22,381
Lincoln.....	181	6,211	16,249	21,117	25,836	30,328	31,604	32,524	33,849	35,316
Logan.....	(1)	2,387	7,012	9,396	11,175	13,154	13,577	13,997	14,106	14,417
Love.....	69	2,893	6,884	9,680	11,643	13,364	13,688	13,811	14,219	14,484
McClain.....	44	1,745	6,028	8,406	10,496	11,705	12,044	12,149	12,386	12,420
McCurtain.....	138	2,341	5,770	8,041	10,083	11,433	11,748	11,861	12,090	12,183
McIntosh.....		3,948	10,027	13,302	16,915	19,902	20,768	21,210	21,641	21,970
Marshall.....	88	2,840	6,434	9,514	12,071	14,176	14,610	14,898	15,515	15,816
Mayer.....		233	1,320	1,516	1,904	2,006	2,079	2,211	2,249	2,264
Murray.....	126	2,150	4,223	5,746	6,745	7,454	7,590	7,882	8,098	8,310
Muskogee.....	169	4,890	12,577	16,320	20,263	23,594	24,050	24,472	24,713	25,220
Oklfuskee.....	240	5,545	12,092	15,294	19,087	21,592	22,348	22,898	23,313	23,502
Oklahoma.....	40	1,564	4,800	6,515	7,800	9,220	9,537	9,801	10,244	10,735
Okmulgee.....	37	1,549	4,253	5,720	7,096	8,228	8,590	8,811	8,905	9,004
Ossage.....		371	1,549	2,051	2,510	2,974	3,073	3,246	3,277	3,379
Pawnee.....		518	2,121	3,012	3,863	4,760	5,079	5,197	5,370	5,747
Payne.....	(1)	2,180	6,455	8,343	10,159	11,825	12,223	12,818	13,208	13,528
Pittsburg.....	119	3,690	11,407	15,311	20,188	23,162	23,843	24,245	24,735	25,002
Pontotoc.....	316	5,379	11,968	15,897	19,760	22,465	23,189	23,487	23,960	24,497
Pottawatomie.....	405	5,880	14,890	19,434	24,480	27,588	28,867	29,402	30,404	31,298
Pushmataha.....	45	884	2,771	4,095	5,395	5,956	6,051	6,144	6,183	6,198
Seminole.....	267	4,033	9,394	12,333	15,761	17,671	18,170	18,669	19,043	19,067
Sequoyah.....	133	4,877	12,040	15,612	20,306	23,944	24,848	25,599	26,066	26,568
Stephens.....	(1)	4,994	11,567	15,585	18,517	20,203	20,597	20,813	21,343	21,480
Tillman.....	(1)	2,706	6,692	9,962	12,099	14,207	14,638	14,889	15,607	16,043
Tulsa.....	35	1,091	2,865	3,577	4,608	5,030	5,362	5,482	5,624	5,722
Wagoner.....	(1)	2,894	6,719	8,649	10,233	11,804	12,247	12,670	13,075	13,204
Washita.....	14	2,227	7,680	11,129	13,661	15,550	16,015	16,112	16,813	17,346
All other.....	119	440	1,241	2,886	3,141	3,692	4,305	4,452	4,785	4,927

SOUTH CAROLINA.

The state.....	7,264	193,318	619,720	846,468	995,398	1,160,725	1,276,428	1,342,737	1,368,774	1,418,704
Abbeville.....	(2)	2,639	13,526	19,493	22,968	27,103	30,833	32,791	33,308	34,306
Aiken.....	528	10,716	26,516	33,676	37,798	42,032	44,622	46,391	47,206	48,066
Anderson.....	4	4,408	30,755	43,804	51,958	60,807	66,452	69,618	70,588	73,541
Bamberg.....	757	7,509	16,064	20,065	22,049	24,002	25,776	26,916	27,367	27,641
Barwell.....	1,367	13,785	31,329	39,222	44,216	49,811	53,506	55,445	56,554	58,880
Beaufort.....	14	899	3,183	4,261	5,160	6,218	6,949	7,379	7,732	8,165
Berkeley.....	17	1,853	5,388	7,923	9,677	11,682	12,815	13,243	13,356	13,500
Calhoun.....	480	5,956	13,419	16,969	19,356	23,044	24,840	26,240	27,031	27,800
Charleston.....	(2)	1,019	4,366	6,660	8,802	11,217	13,637	14,908	15,700	15,880
Cherokee.....		577	6,754	10,577	12,761	15,145	16,636	17,412	17,631	18,072
Chester.....	96	3,589	14,273	19,728	23,094	26,965	29,864	31,843	32,022	32,275
Chesterfield.....	54	4,577	16,784	20,047	22,388	24,826	27,025	29,086	29,822	33,076
Clarendon.....	537	9,324	20,495	26,675	31,154	35,009	38,371	39,566	40,013	40,268
Colleton.....	113	3,957	9,443	12,994	14,344	16,935	18,108	18,793	19,230	19,732
Darlington.....	(2)	4,394	14,887	20,785	25,939	31,072	34,325	36,581	37,440	38,456

¹ Included in all other counties, to avoid disclosure of individual operations.

² Not shown separately, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
SOUTH CAROLINA—Continued.										
Dillon.....	214	6,294	15,028	20,167	24,209	29,975	32,891	35,114	36,062	38,213
Dorchester.....	134	3,726	8,533	11,110	12,859	14,772	15,922	16,477	16,607	16,661
Edgefield.....	40	4,877	16,524	21,372	24,597	27,972	30,819	32,140	32,476	33,235
Fairfield.....	5	2,456	11,304	15,411	18,044	20,741	23,690	25,212	25,826	26,349
Florence.....	53	7,310	20,338	26,764	31,578	37,427	41,084	42,854	43,480	44,282
Georgetown.....		402	1,283	1,873	2,411	3,080	3,462	3,641	3,732	3,866
Greenville.....		1,173	15,297	23,803	29,286	34,600	38,717	40,969	41,710	44,722
Greenwood.....	13	3,027	12,749	17,867	21,395	25,030	28,855	31,207	31,698	33,819
Hampton.....	302	5,841	11,456	13,885	15,331	16,937	18,097	19,027	19,443	19,916
Horry.....		620	2,655	4,276	5,778	7,736	9,042	9,738	10,022	10,390
Jasper.....	19	1,234	3,336	4,381	4,859	5,599	5,999	6,095	6,143	6,196
Kershaw.....	50	3,872	12,314	16,410	19,411	22,933	24,858	26,398	26,861	27,677
Lancaster.....		1,479	8,627	14,241	16,985	19,571	21,915	23,566	24,188	25,640
Laurens.....	(1)	3,097	18,095	26,605	31,557	36,642	40,213	42,891	43,273	45,384
Lee.....	141	7,942	17,980	23,921	27,789	32,216	34,968	36,039	37,498	38,895
Lexington.....	75	4,494	12,139	16,570	19,486	22,172	24,322	25,181	25,500	26,091
Marion.....	67	3,796	8,005	10,234	13,160	15,673	18,855	17,351	17,698	17,890
Marlboro.....	90	7,249	21,046	29,723	35,770	44,029	47,940	50,829	52,410	56,583
Newberry.....	29	3,719	16,516	22,899	27,614	32,299	35,798	38,059	38,904	40,611
Oconee.....	(1)	583	7,344	10,901	13,662	16,369	18,292	19,574	19,794	20,906
Orangeburg.....	1,176	18,576	41,265	52,449	59,555	67,336	73,370	76,366	77,811	80,606
Pickens.....		196	5,974	9,298	11,930	14,026	16,418	17,518	17,935	18,512
Richland.....	367	4,594	11,206	14,704	16,982	19,458	21,553	22,128	22,336	22,679
Saluda.....	16	2,516	11,777	15,923	18,612	21,566	23,691	24,739	25,072	26,084
Spartanburg.....	(1)	2,504	26,861	41,051	49,539	58,473	65,044	68,502	69,889	73,396
Sumter.....	449	9,226	20,121	26,399	30,668	35,240	38,423	39,971	40,533	41,155
Union.....		707	7,840	11,441	13,818	16,819	19,117	20,276	20,393	20,724
Williamsburg.....	24	4,234	10,508	17,882	21,484	24,148	25,327	26,327	26,491	26,577
York.....	10	2,372	16,417	24,641	28,958	33,482	37,166	39,336	39,980	40,997

TENNESSEE.

The state.....	9	18,359	131,933	174,379	233,663	304,467	340,685	354,324	358,275	366,786
Carroll.....		423	4,192	5,820	8,128	10,774	11,621	11,910	11,983	12,185
Chester.....	(2)	303	1,801	2,278	3,447	4,394	4,541	4,612	4,632	4,650
Crockett.....		983	5,835	7,545	10,165	13,469	14,721	15,273	15,313	15,431
Dyer.....		1,311	9,386	11,882	16,448	22,089	24,378	25,184	25,285	25,650
Fayette.....	(2)	945	9,290	11,995	16,416	21,265	25,115	26,327	26,875	27,584
Gibson.....		1,017	9,700	13,421	17,600	23,000	25,532	27,216	27,332	28,190
Giles.....		156	1,775	2,772	4,012	5,574	6,051	6,216	6,274	6,290
Hardeman.....	(2)	576	5,499	7,435	9,689	13,322	14,605	14,954	15,035	15,110
Hardin.....		481	2,776	3,618	4,319	5,404	5,628	5,734	5,783	5,875
Haywood.....	(2)	1,240	8,417	10,506	14,417	19,045	21,650	22,561	22,664	23,045
Henderson.....		338	3,486	4,999	6,375	7,886	8,454	8,645	8,719	8,830
Lake.....	(2)	1,512	6,559	7,404	9,985	13,125	14,643	14,941	15,426	15,837
Lauderdale.....		1,701	10,205	12,283	17,015	22,525	24,664	25,782	25,917	26,340
Lawrence.....		23	632	906	1,272	1,569	1,610	1,639	1,640	1,642
Lincoln.....		341	2,355	2,984	3,799	4,514	4,850	4,890	4,898	4,912
McNairy.....	(2)	390	3,585	5,110	6,880	8,656	9,265	9,408	9,408	9,726
Madison.....		1,009	6,158	8,461	11,220	15,007	16,585	17,247	17,291	17,658
Obion.....		454	2,771	3,440	4,357	5,371	5,738	6,274	6,708	6,703
Rutherford.....	(2)	370	3,161	4,635	5,618	6,790	7,304	7,738	7,738	7,992
Shelby.....	(2)	2,277	18,120	22,944	31,631	41,637	47,935	50,864	51,832	53,316
Tipton.....		2,369	11,937	14,349	19,306	24,903	27,561	28,582	28,755	29,086
Wayne.....	(2)		276	504	620	774	806	818	818	821
Weakley.....	(2)		1,768	2,561	3,450	4,126	4,670	4,691	4,827	5,201
All other.....	9	135	2,249	6,527	7,404	9,248	12,758	12,818	12,922	14,212

TEXAS.

The state.....	655,871	1,727,639	2,451,279	2,950,444	3,313,443	3,572,105	3,627,190	3,664,496	3,715,418	3,773,024
Anderson.....	2,215	9,132	15,023	18,047	20,931	22,858	23,436	23,654	23,898	24,207
Angelina.....	302	2,038	4,287	5,422	6,202	6,698	6,946	7,067	7,195	7,358
Archer.....	82	1,657	2,403	3,084	3,485	3,831	4,015	4,068	4,204	4,249
Atascosa.....	4,743	7,709	9,384	10,115	10,453	10,625	10,670	10,706	10,717	10,717
Austin.....	11,044	20,115	23,170	24,667	25,667	26,735	26,858	27,069	27,215	27,463
Bandera.....	91	1,040	1,583	1,918	2,165	2,213	2,215	2,215	2,240	2,243
Bastrop.....	12,103	23,656	29,561	32,334	33,793	34,475	34,522	34,777	35,249	35,729
Baylor.....	64	2,365	3,837	5,319	6,209	7,182	7,357	7,617	7,993	8,055
Bee.....	3,885	5,776	6,820	7,218	7,466	7,581	7,582	7,604	7,608	7,613
Bell.....	15,922	41,227	53,124	61,848	65,071	66,235	66,443	66,554	67,246	68,525
Bexar.....	11,059	18,692	22,302	24,233	25,135	25,527	25,595	25,695	25,725	25,790
Blanco.....	406	2,569	3,639	4,400	4,804	4,974	4,998	5,021	5,074	5,104
Bosque.....	1,324	8,902	13,083	16,437	18,150	19,271	19,419	19,692	20,094	20,378
Bowie.....	536	5,698	14,200	17,975	22,207	25,918	26,622	27,050	27,400	27,718
Brazoria.....	442	2,278	4,099	5,484	6,417	7,301	7,301	7,618	7,781	8,337

¹ Not shown separately, to avoid disclosure of individual operations.

² Included in all other counties, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON BY COUNTIES: CROP OF 1913—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
TEXAS—Continued.										
Brazos.....	10,511	18,450	22,256	24,512	25,927	26,662	26,736	26,787	26,831	26,831
Brown.....	1,245	8,616	11,654	13,673	14,178	14,553	14,604	14,696	14,712	14,719
Burleson.....	9,773	19,233	24,049	27,025	28,495	29,317	29,355	29,752	29,957	30,046
Burnet.....	1,522	6,430	8,965	11,044	11,637	11,953	12,010	12,120	12,285	12,388
Caldwell.....	19,993	37,863	48,190	53,322	56,008	57,034	57,187	57,477	58,011	58,405
Callahan.....	94	4,121	6,821	8,582	9,313	10,043	10,109	10,256	10,326	10,384
Camp.....	280	2,873	6,468	8,066	9,757	11,455	11,905	12,102	12,202	12,252
Cass.....	235	4,417	12,922	16,454	19,806	23,214	23,470	24,062	24,416	24,549
Cherokee.....	1,666	8,024	14,373	17,132	19,438	21,333	22,002	22,454	22,591	22,618
Childress.....	17	1,249	3,259	4,684	5,698	6,451	6,634	6,824	7,045	7,156
Clay.....	162	4,184	7,312	9,984	11,638	12,619	12,736	12,830	12,983	13,022
Coke.....	198	1,898	3,231	3,910	4,357	4,443	4,615	4,625	4,637	4,726
Coleman.....	1,905	13,723	18,974	22,137	22,957	23,877	23,981	24,370	24,113	24,191
Collin.....	1,268	14,860	30,175	45,978	59,020	70,310	70,975	71,738	74,346	76,714
Collingsworth.....	(1)	874	3,152	4,856	5,817	6,725	6,953	7,108	7,389	7,604
Colorado.....	9,848	14,474	16,812	17,594	18,116	18,525	18,583	18,616	18,784	19,010
Comal.....	4,075	9,566	13,257	15,195	15,979	16,231	16,257	16,336	16,500	16,581
Comanche.....	481	8,388	13,392	17,063	19,181	20,300	20,813	21,633	21,633	21,748
Concho.....	267	2,746	4,118	4,959	5,256	5,490	5,496	5,568	5,568	5,568
Cooke.....	153	5,920	9,810	14,495	17,033	19,470	19,752	20,020	20,472	20,792
Coryell.....	3,262	13,807	19,174	22,967	24,119	24,674	24,803	24,871	25,082	25,271
Cottle.....	(1)	1,024	2,333	3,336	4,045	4,571	4,657	4,794	4,927	5,112
Dallas.....	3,694	19,003	31,035	40,455	48,392	54,458	55,066	55,520	56,229	56,697
Delta.....	581	6,169	12,450	17,592	23,987	28,688	29,163	29,471	30,200	31,714
Denton.....	691	9,309	16,785	24,199	29,289	33,604	34,482	35,000	36,430	36,805
Dewitt.....	24,410	39,436	46,393	50,238	51,805	52,527	52,528	52,663	52,897	53,008
Dickens.....	(1)	667	1,601	2,252	2,711	3,061	3,196	3,319	3,472	3,489
Donley.....	(1)	592	1,777	2,479	2,940	3,350	3,457	3,540	3,716	3,819
Duval.....	1,770	2,470	2,761	2,824	2,984	3,277	3,342	3,362	3,365	3,365
Eastland.....	153	8,546	16,264	20,966	23,498	26,072	26,483	26,981	27,361	27,581
Ellis.....	15,223	50,572	71,680	93,676	107,546	116,224	117,951	118,551	119,850	120,419
Erath.....	381	7,987	12,818	16,429	17,994	19,410	19,740	20,017	20,197	20,354
Falls.....	18,091	38,237	47,965	54,907	58,098	59,872	60,463	60,806	61,290	62,315
Fannin.....	682	9,266	18,545	30,300	44,744	54,942	56,561	57,441	60,836	65,036
Fayette.....	24,802	36,041	39,796	41,528	42,340	42,340	42,340	43,303	43,378	43,810
Fisher.....	562	5,298	8,169	10,482	11,889	12,963	13,144	13,454	13,720	13,848
Foard.....	(1)	701	1,505	2,093	2,493	2,756	2,791	2,836	2,943	2,956
Fort Bend.....	8,414	17,756	23,488	27,221	30,127	32,740	32,956	33,047	33,245	33,775
Franklin.....	133	2,190	5,400	6,854	8,629	10,420	10,702	10,831	10,880	11,031
Freestone.....	5,494	13,107	17,255	19,971	22,422	24,061	24,348	24,385	24,614	24,762
Frio.....	7,228	11,440	13,718	14,680	15,120	15,341	15,371	15,373	15,385	15,417
Gillespie.....	420	5,493	8,937	11,260	12,636	13,029	13,140	13,295	13,385	13,468
Goliad.....	6,401	10,529	12,471	12,560	14,004	14,020	14,282	14,282	14,401	14,401
Gonzales.....	15,302	29,676	38,363	43,820	46,744	47,563	48,613	49,517	49,833	49,908
Grayson.....	815	7,910	12,287	16,118	21,618	28,622	30,568	30,811	32,558	34,118
Gregg.....	483	2,649	5,187	6,496	7,806	8,799	8,988	9,107	9,150	9,176
Grimes.....	9,714	17,880	21,838	23,949	25,366	26,477	26,660	26,717	26,764	27,063
Guadalupe.....	17,282	32,805	43,064	48,504	51,039	51,783	52,866	53,142	53,522	54,922
Hall.....	19	2,115	5,579	8,483	10,333	12,478	12,832	13,210	14,159	14,584
Hamilton.....	799	7,268	10,409	12,587	13,182	13,873	13,967	14,268	14,268	14,418
Hardeman.....	4	826	1,818	2,845	3,571	4,270	4,361	4,420	4,656	4,728
Harris.....	1,090	3,046	4,397	5,001	5,510	6,014	6,222	6,312	6,391	6,511
Harrison.....	408	4,821	10,432	13,805	17,239	20,775	21,902	22,371	22,534	22,534
Haskell.....	133	4,649	6,979	10,244	12,523	13,962	14,180	14,745	15,432	15,602
Hays.....	7,286	16,318	22,427	26,591	27,976	28,482	28,520	28,551	28,694	28,992
Henderson.....	2,053	9,497	15,474	19,255	22,765	25,951	26,713	26,845	27,351	27,477
Hill.....	10,907	43,410	52,652	60,493	64,297	66,380	67,734	67,920	68,885	70,670
Hood.....	151	3,138	4,916	6,289	6,941	7,519	7,547	7,727	7,759	7,778
Hopkins.....	982	11,626	23,389	30,267	38,875	47,072	48,587	49,340	50,078	51,153
Houston.....	4,025	13,087	19,185	22,655	25,724	27,908	28,698	29,061	29,500	29,817
Howard.....	(1)	1,759	2,847	3,524	4,025	4,364	4,386	4,392	4,655	4,667
Hunt.....	1,520	13,895	26,855	38,263	52,147	63,125	64,576	65,238	66,730	68,494
Jack.....	64	2,126	3,491	4,568	5,292	5,768	5,807	5,878	5,970	5,997
Jackson.....	2,932	5,357	6,244	6,760	7,271	7,519	7,527	7,582	7,633	7,690
Jim Wells.....	1,745	2,099	2,212	2,244	2,345	2,389	2,389	2,406	2,409	2,409
Johnson.....	3,263	17,943	26,585	36,149	41,319	44,232	44,604	45,085	45,991	46,480
Jones.....	782	7,987	11,809	15,585	17,704	19,489	19,740	20,066	20,690	20,882
Karnes.....	14,814	22,693	26,271	28,296	28,950	29,255	29,298	29,373	29,414	29,434
Kaufman.....	8,908	27,205	39,830	49,692	59,459	66,427	67,563	68,993	69,998	71,453
Kendall.....	157	1,371	2,014	2,334	2,467	2,546	2,550	2,569	2,584	2,584
Kent.....	16	982	1,924	2,649	3,121	3,464	3,549	3,626	3,729	3,767
Kerr.....	(1)	358	658	858	945	955	957	968	971	971
Kleberg.....	1,308	1,616	1,682	1,750	1,750	1,750	1,750	1,760	1,760	1,760
Knox.....	130	3,992	6,434	9,014	10,655	11,983	12,160	12,496	13,019	13,146
Lamar.....	2,254	16,661	36,187	45,956	59,843	67,691	68,717	69,801	70,838	72,533
Lampasas.....	326	2,681	3,801	4,598	4,817	4,945	4,967	5,002	5,062	5,074
Lavaca.....	22,155	31,598	35,288	36,848	37,454	37,956	38,038	38,151	38,370	38,630
Lee.....	4,780	9,788	12,559	13,509	14,197	14,523	14,618	14,618	14,968	15,164
Leon.....	3,964	10,655	15,071	17,650	19,587	21,222	21,615	22,233	22,441	22,528
Limestone.....	21,774	43,081	53,352	58,030	61,048	62,141	62,459	62,682	62,781	62,946

¹Included in all other counties, to avoid disclosure of individual operations.

COTTON PRODUCTION: 1913.

TABLE 22.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1913—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

COUNTY.	COTTON GINNED TO—									Total ginned.
	Sept. 1.	Sept. 25.	Oct. 18.	Nov. 1.	Nov. 14.	Dec. 1.	Dec. 13.	Jan. 1.	Jan. 16.	
TEXAS—Continued.										
Live Oak.....	323	524	587	620	636	668	668	674	674	674
Llano.....	211	1,793	2,738	3,520	3,862	4,077	4,123	4,210	4,398	4,444
McCulloch.....	1,166	8,347	11,888	14,182	14,963	15,510	15,650	15,790	15,878	15,882
McLennan.....	21,259	49,898	66,884	81,400	88,147	92,454	93,301	94,389	96,331	98,307
Madison.....	2,910	6,732	9,015	10,145	11,131	11,999	12,329	12,523	12,873	13,017
Marion.....	98	1,185	2,946	3,904	4,915	5,787	6,070	6,186	6,258	6,312
Mason.....	169	2,343	3,436	4,301	4,625	4,788	4,809	4,835	4,944	4,974
Matagorda.....	1,237	2,921	4,325	5,177	5,060	6,566	6,601	6,709	6,801	6,821
Medina.....	5,314	9,317	11,272	12,011	12,562	12,794	12,811	12,877	12,915	13,000
Milam.....	19,807	40,914	51,736	56,833	59,045	60,255	60,867	61,201	61,528	62,220
Mills.....	393	4,777	7,018	7,972	8,458	8,625	8,793	8,867	8,922	9,006
Mitchell.....	287	3,825	6,672	8,877	10,350	11,266	11,431	11,600	11,975	12,028
Montague.....	214	2,983	12,853	16,781	19,202	21,120	21,319	21,536	21,797	21,307
Montgomery.....	1,976	4,712	6,506	7,171	7,823	8,133	8,192	8,243	8,264	8,312
Morris.....	245	2,316	5,396	6,729	8,149	9,376	9,646	9,787	9,823	9,854
Nacogdoches.....	917	5,069	10,524	13,831	16,796	19,555	20,510	21,035	21,390	21,717
Navarro.....	22,375	50,555	63,675	77,655	87,365	93,519	95,375	95,781	97,224	98,470
Noian.....	172	2,827	4,276	5,526	6,012	6,912	6,961	7,177	7,231	7,302
Nueces.....	9,610	13,071	13,996	14,476	14,605	14,753	14,799	14,819	14,836	14,853
Palo Pinto.....	148	2,647	4,402	5,909	6,567	7,236	7,298	7,405	7,478	7,487
Panola.....	1,000	6,021	10,737	13,698	16,777	19,713	20,406	20,842	20,990	21,274
Parker.....	253	6,444	11,234	14,966	18,853	18,100	18,404	18,555	19,013	19,157
Polk.....	464	4,967	6,486	7,983	8,497	8,681	8,681	8,783	8,931	9,101
Rains.....	145	1,647	3,520	4,633	6,190	7,405	7,665	7,718	7,810	7,882
Red River.....	1,382	10,808	24,912	30,804	39,631	43,495	44,130	44,395	44,609	44,929
Robertson.....	12,719	24,607	31,498	35,580	38,785	40,580	41,126	41,367	41,998	42,150
Rockwall.....	1,214	6,973	13,104	16,555	20,227	22,398	22,603	22,637	22,793	23,029
Runnels.....	830	7,775	10,912	13,469	14,515	15,618	15,697	15,880	15,990	16,054
Rusk.....	1,794	8,757	16,337	20,411	24,274	27,599	28,456	28,719	28,957	29,496
Sabine.....	41	894	1,702	2,576	3,164	3,618	3,785	4,192	4,296	4,445
San Augustine.....	373	2,743	5,090	6,689	8,093	9,395	10,047	10,451	10,656	10,873
San Jacinto.....	309	2,034	3,840	5,039	6,192	7,246	7,553	7,712	7,772	7,833
San Patricio.....	13,982	17,501	18,650	19,186	19,300	19,300	19,300	19,399	19,404	19,404
San Saba.....	395	4,934	7,141	8,534	8,973	9,225	9,242	9,428	9,516	9,576
Scurry.....	71	3,192	5,434	7,314	8,617	9,297	9,538	9,671	9,931	10,014
Shackelford.....	82	1,060	1,410	1,669	1,792	1,882	1,894	1,922	1,931	1,931
Shelby.....	739	5,839	11,899	15,223	18,793	21,873	23,112	23,495	24,020	24,892
Smith.....	2,829	14,551	24,143	28,791	33,823	37,716	38,502	38,954	39,101	39,283
Somervell.....	37	784	1,220	1,613	1,843	2,012	2,049	2,075	2,119	2,134
Stephens.....	41	1,303	2,044	2,464	2,583	2,729	2,748	2,773	2,800	2,807
Stonewall.....	(1)	1,282	2,573	4,061	4,779	5,514	5,732	5,985	6,258	6,473
Tarrant.....	1,752	9,631	15,255	20,790	23,706	26,146	26,542	26,980	27,153	27,225
Taylor.....	987	7,108	9,658	11,813	12,790	13,645	13,688	13,961	14,159	14,207
Throckmorton.....	(1)	1,298	1,979	2,633	2,981	3,174	3,180	3,191	3,265	3,267
Titus.....	182	3,821	8,579	10,821	13,073	14,740	15,642	15,902	15,994	16,243
Tom Green.....	63	1,378	2,309	2,897	3,107	3,366	3,436	3,530	3,588	3,589
Travis.....	15,773	37,427	49,169	57,611	60,625	61,782	61,833	62,246	62,961	63,525
Trinity.....	374	2,614	4,707	5,801	6,415	7,182	7,441	7,577	7,700	7,892
Upshur.....	584	4,446	10,968	14,051	17,026	19,776	20,824	21,349	21,589	21,773
Uvalde.....	1,432	3,933	5,428	6,266	6,411	6,596	6,604	6,605	6,632	6,650
Van Zandt.....	2,144	12,696	21,090	28,403	34,441	37,613	39,215	39,297	39,599	40,130
Victoria.....	10,465	17,923	20,691	22,177	23,097	23,503	23,547	23,640	23,731	23,752
Walker.....	2,568	6,256	8,958	10,464	11,852	12,760	12,912	13,066	13,123	13,194
Waller.....	3,327	7,092	9,163	9,914	10,719	11,237	11,294	11,350	11,540	11,621
Washington.....	19,238	30,846	35,370	37,396	39,309	40,552	40,641	40,785	41,020	41,248
Wharton.....	6,044	13,651	16,742	18,231	19,156	20,118	20,245	20,463	20,626	21,091
Wichita.....	32	1,369	2,901	4,176	4,917	5,568	5,716	5,767	5,913	6,003
Wilbarger.....	18	2,092	4,511	6,755	8,313	9,709	9,929	10,192	10,835	11,168
Williamson.....	28,080	68,470	85,539	94,831	98,931	101,158	101,308	101,817	102,586	103,131
Wilson.....	10,185	18,005	22,338	25,163	26,908	27,524	27,524	27,681	27,814	27,854
Wise.....	160	4,938	9,894	14,287	16,726	18,606	18,800	19,261	19,554	19,669
Wood.....	438	6,718	14,447	18,612	22,973	27,087	27,839	28,016	28,494	28,823
Young.....	207	6,599	8,599	8,857	9,941	10,826	10,891	11,009	11,194	11,195
All other.....	10,634	25,840	32,234	41,634	50,144	57,439	59,455	61,057	62,335	66,826

VIRGINIA.

The state.....	171	4,312	8,909	13,376	17,460	20,832	22,180	22,677	24,569
Brunswick.....	(1) 44	862	1,610	2,254	2,023	3,323	3,426	3,489	3,727
Greensville.....	(1) 50	562	1,120	1,808	2,474	2,798	2,910	2,905	3,189
Nansemond.....	(1) 50	1,005	2,149	3,370	4,163	4,718	5,003	5,048	5,296
Norfolk.....	(1) 75	202	521	810	1,150	1,163	1,279	1,279	1,357
Southampton.....	(1) 2	1,521	2,649	4,025	5,241	5,990	6,547	6,812	7,228
All other.....	(1) 2	160	800	1,109	1,509	2,840	3,015	3,084	3,772

1 Included in all other counties, to avoid disclosure of individual operations.

THE WORLD'S PRODUCTION OF COTTON.

Cotton is grown in many localities within a globe-encircling belt about 5,000 miles wide, but the total area devoted to its cultivation constitutes only a small part of the entire land surface within this belt. A number of conditions are requisite to the successful production of cotton, the most important factor being a suitable climate. The cotton plant requires a long warm season in which to come to full maturity, as well as adequate moisture. In some localities where the rainfall is insufficient, recourse is had to irrigation. This method of supplying the necessary moisture is used extensively in the cotton-growing districts of Egypt, Russia, Mexico, Peru, Persia, and in some of the districts of India. In order to produce the crop economically it is necessary to have sufficient labor, trained in growing cotton, and, in addition, adequate ginning and transportation facilities. The state of Oklahoma is an example of the effect of these conditions. Formerly this section lacked all these factors, although no part of this country has had a greater expansion in recent years. In 1899 the combined production of cotton in Oklahoma and Indian Territories was 214,591 bales, while the crops of 1910 and 1911 each exceeded 1,000,000 bales. The establishment of better transportation facilities in Russian Turkestan has been an important factor in increasing the production in that country.

Many attempts have been made in recent years to extend the cultivation of cotton to new districts, but either one or all of the requisites just mentioned have been lacking. While these efforts have demonstrated the possibility of growing very good grades of cotton in a number of new fields, they have not been sufficiently encouraging to warrant the hope of any considerable addition to the world's production of cotton from these sources within the next few years. It seems, therefore, that the growing demand for cotton must be met, for a time at least, by increased production in those countries in which the cultivation is already firmly established.

The United States is the only country which has provided an adequate statistical service to ascertain the quantity of cotton produced each year. The governments of India, Egypt, and Russia compile and publish estimates of acreage and production from time to time during the season, and it is said that the Indian Government proposes to establish a system of enumerating the bales at the presses. No official report as to the production of cotton is collected by any other country, and the information can be secured only

by special correspondence, from consular reports, trade publications, and other miscellaneous sources. The statistics given in Table 23 have been compiled from information secured from these various sources. The table shows the production of commercial cotton, by countries, for the crops of 1909 to 1913. The figures for some countries published in previous bulletins have been revised.

TABLE 23.—*World's production of commercial cotton, by countries: 1909 to 1913.*

[The statistics for the United States were collected by this bureau. Those for other countries have been compiled from a number of sources, among them being: The Cotton Gazette, Liverpool; Mitsui & Co., Osaka; Reinhart & Co., Alexandria; Commercial Intelligence Department of the Indian Government; Russian Department of Agriculture; E. T. Craig, Mexico City; Pan American Union; and the United States Consular Reports.]

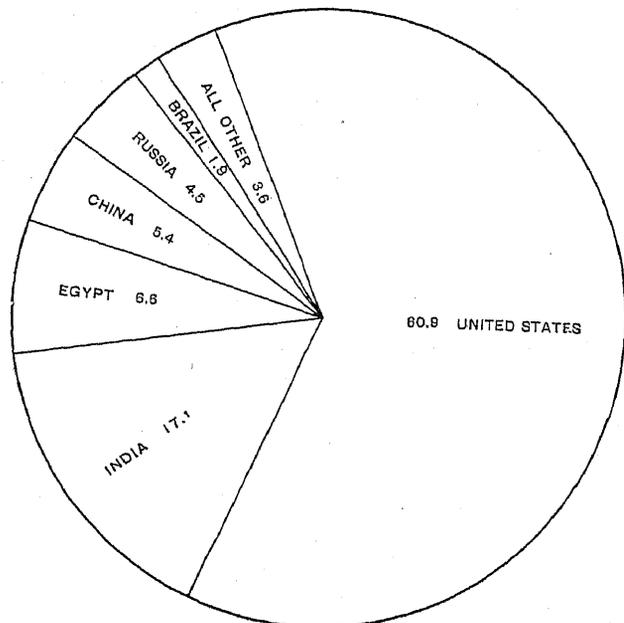
COUNTRY.	COTTON PRODUCTION (BALES OF 500 POUNDS NET).				
	1913	1912	1911	1910	1909
Total.....	22,255,000	20,976,000	21,269,000	18,027,000	16,241,000
United States.....	13,545,000	13,113,000	15,013,000	11,104,000	9,566,000
India ¹	3,801,000	3,328,000	2,270,000	2,722,000	3,414,000
Egypt.....	1,470,000	1,492,000	1,463,000	1,506,000	1,600,000
China.....	1,200,000	1,074,000	625,000	775,000	600,000
Russia.....	1,004,000	917,000	939,000	981,000	785,000
Brazil.....	420,000	315,000	275,000	280,000	225,000
Mexico.....	150,000	140,000	130,000	147,000	125,000
Peru.....	110,000	110,000	100,000	95,000	107,000
Persia.....	140,000	137,000	120,000	117,000	116,000
Turkey.....	130,000	115,000	124,000	105,000	108,000
All other countries...	285,000	235,000	210,000	195,000	195,000

¹ The amounts for India do not include cotton used in home manufacture, although such cotton is included in the reports of cotton produced compiled by the Indian Government.

As the statistics of cotton production for foreign countries are generally expressed in net-weight bales, those for the United States in this table have been reduced to that basis. The world's production of cotton in 1913, exclusive of linters, as measured by the factory supply—that is, the quantity entering commercial channels—was 22,255,000 bales of 500 pounds net, as compared with 20,976,000 bales in 1912, 21,269,000 bales in 1911, and 16,241,000 in 1909. The table shows a great variation in the production of cotton, the total in 1913 being 6,014,000 bales, or 37 per cent greater than in 1909. The average production for mill consumption during the five years covered by the table was 19,753,600 bales, or 2,501,400 bales less than the production of 1913. In addition to the amounts shown in the table, large quantities of cotton are produced in some countries and consumed in the homes of the people, without entering commercial channels. This is the case especially in China and to a less extent in other eastern countries; but the amount of such cotton can not be estimated with any degree of accuracy.

The relative importance of the several cotton-producing countries is graphically presented in the following diagram. Of the total production of commercial cotton in 1913, the United States contributed 60.9 per cent, India 17.1 per cent, Egypt 6.6 per cent, China 5.4 per cent, and Russia 4.5 per cent.

DIAGRAM 2.—Percentage of the world's mill supply of cotton contributed by each country: 1913.



UNITED STATES.

The first effort to cultivate cotton in the United States was made in Virginia in 1621. Later, experiments in cotton culture were made in Maryland, Delaware, Pennsylvania, and New Jersey, but conditions of climate in those states were found unsuitable. It was introduced into South Carolina in 1733 and into Georgia in 1734. It was being grown in Louisiana in 1741. Cotton was not grown as a staple crop, however, until 1770, at which time shipments of American cotton to Liverpool were recorded as: Ten bales from Charleston, three bales from New York, four bags from Virginia, and three barrels from North Carolina. After the Revolutionary War the cultivation of cotton spread more rapidly. The crop of 1790 produced 3,138 equivalent bales of 500 pounds each, 379 of which were exported. Table 15, page 29, indicates the growth in the production of cotton in the United States from 1790 to 1913.

Altogether the greatest cotton-growing section in the world, both in extent and in production, is located in the southern and southeastern parts of the United States. It includes small portions of Virginia, Kentucky, Missouri, Kansas, and New Mexico, and the states lying to the south. This cotton-producing area is about 1,500 miles long, from east to west, and about 500 miles in width. Within the past few years the cultivation of cotton has been undertaken in Arizona and California, on irrigated land, with considerable

success, especially in the latter state. The growing of other valuable crops, however, will likely prevent any appreciable increase in the production in these states.

Some idea of the importance of cotton production in the United States from an economic standpoint may be had when it is considered that, next to corn, cotton is the most valuable crop grown in the country, and that cotton is the largest single item of export. The value of the cotton crop of 1909 represented 15 per cent of the total value of all the crops of the country. The value of cotton exported during the fiscal year 1913 amounted to \$547,357,195, or 22.5 per cent of the total value of all articles of domestic merchandise exported during the year. These large exports, combined with the more than 5,000,000 bales consumed in domestic manufacture, strikingly indicate the importance of cotton in the economic affairs of the Nation.

It is therefore not surprising that the Federal and state governments are giving so much attention to this crop. The investigations and experiments have covered every phase of the subject and have aided greatly not only in increasing the production of cotton but in propagating varieties suited to the varying conditions of soil, moisture, insect life, etc., found throughout the cotton belt.

INDIA.

Cotton has long been an important agricultural product of India, where it has been used from time immemorial in making cloth for garments. Until in comparatively recent years the fiber was used almost entirely for home consumption, and therefore information as to the quantity produced is not available. The crop of 1790, however, has been estimated at 260,000 equivalent 500-pound bales; that of 1859, at 1,316,800 bales; that of 1865, at 2,090,400 bales; and that of 1913, at 4,160,800 bales. The following table presents statistics of cotton acreage, production, and yield per acre for India since 1897, together with the average for the period:

TABLE 24.—Cotton acreage, production, and yield per acre in India: 1897 to 1913.

YEAR.	Acreage planted in cotton.	COTTON PRODUCTION.	
		Total (500-pound bales).	Average per acre (lbs.).
1913.....	24,595,000	4,160,800	85
1912.....	22,028,000	3,688,000	84
1911.....	21,615,000	2,630,400	59
1910.....	22,596,000	3,082,400	68
1909.....	20,545,000	3,774,400	92
1908.....	19,999,000	2,952,800	73
1907.....	21,630,000	2,497,600	58
1906.....	22,488,000	3,926,400	88
1905.....	20,401,000	3,389,600	83
1904.....	19,918,000	3,060,800	77
1903.....	18,025,000	2,863,714	79
1902.....	16,581,046	3,000,439	90
1901.....	14,506,295	2,648,586	91
1900.....	14,231,150	2,162,918	76
1899.....	11,884,576	1,674,817	70
1898.....	14,602,892	2,512,104	86
1897.....	13,683,487	2,122,968	78
Average.....	18,784,085	2,949,926	79

According to the Final General Memorandum on the cotton crop of 1913-14 issued by the Indian Government on February 25, the total outturn is estimated at 4,160,800 bales of 500 pounds each. As a rule, the government estimates are too low when considered in connection with the figures of cotton exported and of cotton consumed. While the estimates in some years closely approximate the movement, in other years they are very much below it.

According to Table 24 there were 24,595,000 acres planted in cotton in India in 1913, an increase of 2,567,000 acres over 1912. It is the largest area ever planted to cotton in that country. The crop of 1913 was 472,800 bales larger than that of 1912, and exceeded that of 1906, the second largest crop, by 234,400 bales, and the average for the period covered by the table by 1,210,000 bales. This increase in production was due, in part, to the relatively large increase in the area planted and in part to more favorable conditions during the growing season. The average yield per acre in 1913 was 85 pounds, an amount woefully small when compared with the average production in other countries. This seems all the more strange when consideration is given to the fact that the population of the country as a whole is very dense and that the value of the land for the raising of foodstuffs must be correspondingly great. The average production per acre for the different provinces varies greatly, ranging from 44 pounds in Hyderabad and 79 pounds in Madras to 122 pounds in the United Provinces and 160 pounds in Sind. Rainfall is depended on very largely for the supply of moisture in growing the cotton crop. The dry seasons in some of the provinces are sometimes extended into periods of drought, which accounts very largely for the low averages in those provinces. In Sind and in some other sections irrigation is depended on, to some extent, and where this condition is found the average yield per acre is relatively high. Table 25 gives the statistics for the acreage in cotton and the production, by provinces, for the crops of 1909 to 1913, inclusive.

The native Indian cotton has a short coarse fiber and can not be utilized in the manufacture of the finer counts of yarn. The demand for a better staple on the part of some of the Indian mills, as well as for export, has resulted in the Indian Government giving the subject of improving the cotton serious consideration. The principal difficulties to be surmounted are the low yield per acre of these higher grade cottons, the fact that the grower realizes but little more for the better than for the poorer grades, and the mixing of the seed at the ginneries. The Government of India, together with the provincial and local governments, has established seed farms for the purpose of furnishing pure seed to the growers. This plan will ultimately result in materially improving the staple of Indian cotton and permit this cotton to enter European markets to a much greater extent than heretofore.

TABLE 25.—Cotton acreage and production in India, by provinces: 1909 to 1913.

PROVINCE. (Includes native states within provincial boundaries.)	Year.	Acreage planted in cotton.	Cotton production (500-pound bales).
Total.....	1913	24,595,000	4,160,800
	1912	22,028,000	3,688,000
	1911	21,615,000	2,630,400
	1910	22,596,000	3,082,400
	1909	20,545,000	3,774,400
Bombay.....	1913	6,351,000	1,117,600
	1912	6,064,000	1,059,200
	1911	5,121,000	479,200
	1910	6,528,000	1,052,800
	1909	5,794,000	1,140,800
Central Provinces and Berar.....	1913	4,715,000	768,800
	1912	4,493,000	728,000
	1911	4,648,000	730,400
	1910	4,487,000	503,200
	1909	4,167,000	856,000
Hyderabad.....	1913	3,653,000	320,000
	1912	2,888,000	240,000
	1911	3,234,000	240,000
	1910	3,562,000	234,400
	1909	3,401,000	368,800
Madras.....	1913	2,593,000	410,400
	1912	2,414,000	376,800
	1911	2,878,000	268,000
	1910	1,873,000	188,000
	1909	1,569,000	144,000
Punjab.....	1913	2,053,000	475,200
	1912	1,575,000	208,400
	1911	1,582,000	192,800
	1910	1,385,000	244,800
	1909	1,436,000	316,800
United Provinces.....	1913	1,586,000	387,200
	1912	1,158,000	342,400
	1911	921,000	200,800
	1910	1,347,000	278,400
	1909	1,241,000	307,200
Central India.....	1913	1,426,000	218,400
	1912	1,314,000	164,800
	1911	1,400,000	182,400
	1910	1,349,000	189,600
	1909	1,068,000	176,800
Baroda.....	1913	749,000	140,000
	1912	762,000	156,800
	1911	665,000	76,800
	1910	806,000	107,200
	1909	675,000	188,000
Rajputana.....	1913	470,000	105,600
	1912	393,000	100,000
	1911	263,000	58,400
	1910	465,000	114,400
	1909	464,000	118,400
Sind.....	1913	332,000	106,400
	1912	296,000	98,400
	1911	346,000	99,200
	1910	279,000	77,600
	1909	214,000	83,200
All other provinces.....	1913	667,000	111,200
	1912	671,000	123,200
	1911	557,000	102,400
	1910	515,000	92,000
	1909	516,000	74,400

Climatic and soil conditions in the several cotton-growing districts in India vary perhaps more than in any other cotton-producing country. In some parts the rainfall is abundant, while in others irrigation is employed to some extent, and in still others is depended upon entirely for moisture. The seasons also vary greatly; for example, in October the cotton crop is being harvested in the north of India, while in the south planting is in progress. As a result, cotton is being picked somewhere in the country almost throughout the year.

EGYPT.

Egypt ranks third among the countries of the world in the production of cotton. The climate and soil are peculiarly adapted to the production of high-grade varieties of cotton and the supply of moisture, coming

as it does from a usually dependable system of irrigation, can be regulated to the best advantage. The season for gathering, too, is practically ideal, not being marked by storms or rains and no unavoidable damage to the matured crop occurs.

The growth of cotton production in Egypt in modern times has been generally very gradual, and the cultivation of the superior staples, which have given the country a distinguished position in the industry, dates only from 1821. Prior to that time the production was negligible, so that the beginning of the industry itself may be properly given that date. In 1824 the exports of cotton exceeded 45,000 bales. By 1859 the crop had increased to approximately 100,000 bales. During the period of the American Civil War the curtailment of production in the United States, which stimulated cultivation in all other cotton-producing countries, effected a great change in the agricultural pursuits of Egypt. Improved methods of cotton culture were adopted and the acreage devoted to the crop largely increased. The price of cotton advanced to more than 50 cents per pound and the production in 1865 exceeded 400,000 bales. Naturally a reaction took place after the close of the war and the resumption of the culture in the United States. Following this reaction the quality of Egyptian cotton deteriorated so rapidly that spinners repeatedly complained and the planters faced the necessity of finding new and more desirable varieties. In this they were very successful, so that, at the present day, the length, strength, and color of Egyptian cottons are characteristics of great value, while the uniformity of the fiber, due to equality of growth, renders them, in manufacturing processes, subject to less waste than are many other kinds.

Table 26 shows the cotton acreage, production, and average yield per acre in Egypt for the last 19 years.

TABLE 26.—Cotton acreage, production, and yield per acre in Egypt: 1895 to 1913.

[Compiled from reports of the Egyptian Survey Department.]

YEAR.	Acreage.	PRODUCTION.	
		Total (500-pound bales).	Average per acre (lbs.).
1913.....	1,789,000	1,470,000	411
1912.....	1,787,000	1,492,000	417
1911.....	1,776,000	1,463,000	412
1910.....	1,664,000	1,506,000	453
1909.....	1,619,000	1,000,000	309
1908.....	1,703,000	1,337,000	393
1907.....	1,664,000	1,433,000	431
1906.....	1,564,000	1,377,000	440
1905.....	1,626,000	1,181,000	363
1904.....	1,491,000	1,251,000	420
1903.....	1,383,000	1,289,000	466
1902.....	1,324,000	1,157,000	437
1901.....	1,297,000	1,262,000	487
1900.....	1,277,000	1,077,000	422
1899.....	1,197,000	1,290,000	539
1898.....	1,164,000	1,107,000	476
1897.....	1,172,000	1,296,000	553
1896.....	1,091,000	1,165,000	534
1895.....	1,015,000	1,041,000	513

According to the reports of the Egyptian Government, the acreage devoted to cotton in 1913 was 1,789,000, practically no increase from the preceding

year, but the largest for any year covered by Table 26. The crop of 1913 is estimated at 1,470,000 bales of 500 pounds each, this amount being exceeded by the crops of 1910 and 1912.

Owing to the fact that irrigation is used almost exclusively in the growing of cotton in Egypt, any disarrangement in the supply of water seriously affects the production of cotton in the country. The crop of 1913 had a good start, but later in the season many complaints were heard about the shortage of water for irrigation purposes, and there was great apprehension lest serious damage would result from insufficient irrigation. Fortunately the damage from this cause was comparatively small, and the quality of the fiber, which is greatly affected by lack of sufficient moisture, was about normal.

Cotton is the money crop of Egypt, this staple furnishing the money to pay the balance of trade in international commerce. An increase in the production, accordingly, is one of the most important questions before the country. In view of the fact that agriculture depends entirely upon irrigation, various projects for extending the irrigated area have been given great consideration.

Mr. Moritz Schanz, delegate of the German Colonial Economic Committee at the International Cotton Conferences held in Egypt during the Autumn of 1912, has written a comprehensive treatise on cotton in Egypt. This article appears in the official report of the Ninth International Congress of Delegated Representatives of Master Cotton Spinners' and Manufacturers' Associations held at Scheveningen in Holland. Mr. Schanz has gone into the history of the plant in Egypt, the Egyptian methods of farming, the system of land tenure, and many other conditions relative to this staple, presenting much information of interest on the subject. The following information taken from the report presents his views on the future of cotton in Egypt and the Sudan:

The future of Egyptian cotton.—It is estimated that, by making the fullest use of the area cultivated at present, and allowing an average yield of 430 pounds per acre in Egypt, north of Assiut, about 2,000,000 bales of 500 pounds each of cotton per year could be grown, and a further 300,000 bales could be obtained by reclaiming and cultivating the large lakes near the coast and the neighboring waste desert lands. As regards Lower Egypt, with the exception of the northern edge of the Delta, the maximum irrigable area of cultivation will very shortly be reached. On the other hand, there are still larger areas, apart from the Sudan, to be found in Upper Egypt, if the available water supply can be increased. Better crops than the present ones can be obtained from the poor land tracts if improved methods of cultivation, careful choice of seed, and the general application of artificial manure are introduced.

Still, the reclamation of new culturable land is only possible within very confined limits, as Egypt is simply a narrow oasis, drawing its sustenance from the Nile, and consequently the time will arrive when, even with the highest possible perfection of the irrigation system of the Nile, the limit of the supply will be reached. So Egypt will never, even under the most favorable circumstances, be a rival to the United States of America as regards the amount of cotton produced.

If it should become possible to successfully grow in another country a cotton of equal quality to the Egyptian type, under sim-

ilar conditions of production, and this does not in any way appear impossible, a fall in the price of Egyptian cotton would occur, and a resulting economic loss would be sure to overtake Egypt; the risk of specializing on one crop to the neglect of all others has already shown itself clearly during the bad cotton seasons of 1908 and 1909.

Egypt has been heavily burdened in its agricultural production through the extremely high prices of land, which have risen excessively during the last two decades; on the other hand, it possesses, even to-day, the advantage of very low wages, and a unique position on account of its perfect system of irrigation, both of which, for the present, assure Egypt of its position in the supply of cotton.

In view of the strenuous endeavors of the government, and of all engaged in this industry, it appears certainly possible to meet the wishes of the spinners respecting the growing of definite qualities.

The future of Sudan cotton.—The industrial development of the Sudan has had to be, so far, according to all circumstances, a slow one; and even to-day one can only with difficulty forecast to what extent agriculture will develop, and at what period it will reach an important turnover. Both these items depend, even if no unforeseen circumstances occur which might cause a setback to the work of civilization that is being introduced by an excellent staff of officials, upon a large number of conditions, on which the government can only have a limited influence. * * * In the first instance, the problem of population is the most pressing one for a country which, until quite recently, has been one of the least populated on the globe. The native population increases, judging by the percentage of children, in a most astonishing manner, but; as regards immigration from other districts, only slow progress is being made, and slower still is the immigration from Europe.

The most promising prospects seem to lie in the exports from the Sudan of corn and cattle to Egypt, which have already increased, although even there the rise will only be a slow one. As to how quickly the development of cotton cultivation, with the help of artificial irrigation, will be achieved, nothing can yet be said, but the conclusion seems to be justified that the Sudan will hardly be, in the near future, a country that will produce such quantities of cotton as will have an influence on the markets of the world.

RUSSIA.

The production of cotton in the Russian empire is confined to its Asiatic provinces in Turkestan and Trans-Caucasia, although some experiments have been made to grow the staple in the European provinces of the country bordering on the Black Sea. The following table, compiled by the Cotton Committee of the Russian Department of Agriculture, gives comparative statistics of cotton produced, by geographic divisions, for the crops of 1912 and 1913.

TABLE 27.—Cotton production in Russia, by provinces: Crops of 1912 and 1913.

GEOGRAPHIC DIVISION.	COTTON PRODUCTION (BALES OF 500 POUNDS.)	
	1913	1912
Total.....	1,004,328	917,352
Turkestan.....	888,408	805,680
Ferghana.....	532,800	484,848
Samarkand.....	69,840	58,752
Bokhara.....	93,600	80,928
Trans-Caspia.....	57,600	64,080
Syr-Daria.....	86,400	70,488
Khiva.....	48,168	46,584
Trans-Caucasia.....	115,920	111,672
Erivan.....	47,520	49,824
Elizavetpol.....	52,200	46,584
Baku.....	10,800	10,008
Tiflis.....	4,320	4,320
Kutais.....	1,080	886

The estimated production of cotton from the crop of 1913 is 1,004,328 bales of 500 pounds each, compared with 917,352 bales from the crop of 1912. Of the total for 1913 Turkestan contributed 888,408 bales and Trans-Caucasia 115,920 bales. Ferghana produced more than one-half the total for the country, the other Central Asiatic provinces contributing being Bokhara, Samarkand, Trans-Caspia, Syr-Daria, and Khiva. The soil and climate of these provinces are well adapted to the cultivation of cotton. The summers are hot and long and the winters mild. As there is scarcely any rainfall during the growing season, irrigation is necessary. Any extension of the cotton-growing area depends almost entirely upon the construction and extension of irrigation plants. About one-half of the requirements of the Russian mills is supplied by Russian cotton. Efforts are being made to increase the production and a number of new irrigation projects are under construction. Some are nearing completion, while in other sections plans are being prepared for the reclamation of large areas.

CHINA.

Cotton is produced extensively in many sections of China, but no accurate data as to the total amount are available. The greater portion is consumed locally in the homes of the people, the quantity thus consumed being largely a matter of conjecture. The Ministry of Agriculture of the Republic of China has estimated the annual production of cotton in that country for the crops of 1909, 1910, and 1911 at 4,181,333 bales of 500 pounds each, while the crop of 1912 has been estimated by another source at 5,333,000 bales. As indicated above, however, these estimates are largely conjectural. It is certain that there has been a tendency, at least in some sections, to increase the production, as the suppression of the trade in opium has made land formerly devoted to the cultivation of the poppy available for other crops. Another influence tending to increase the production has been the high price of the staple and the consequent demand from other countries for this product.

Reliable data as to the quantities of Chinese cotton exported and used in the Chinese mills are available. These amounts for the crop of 1913, however, will not be determined until after the close of the commercial year ending August 31. It is not known how much time will have been lost during the present year in the Chinese mills, which contain about 1,000,000 spindles, whose potential consumption has been estimated at 550,000 bales of 500 pounds each. Neither is it known how much cotton will be exported, but the amount for the calendar year 1912 was 215,000 bales, and for 1910, 333,000 bales. In view of the increased production, the exports of the crop of 1913 will undoubtedly be larger than in previous years. In addition, large quantities of cotton are consumed in factories engaged in making wadding for clothes. The quantity of Chinese cotton which will enter commercial channels

from the crop of 1913 is accordingly estimated at 1,200,000 bales of 500 pounds each.

BRAZIL.

The climate and soil of large areas in Brazil are suitable for the growth of cotton. The plant is indigenous to the country and the aborigines were using the lint of the wild cotton tree for various purposes when the Europeans first visited the country. Nevertheless, the cultivation of the plant received comparatively little attention until the shortage in the supply from the United States during and following the Civil War greatly increased the price of the staple. In 1860 the exports of Brazilian cotton amounted to about 50,000 bales of 500 pounds each, and this figure practically measures that country's commercial production of cotton at that time, as the domestic mill consumption was a negligible quantity. By 1872 the exports had increased to the equivalent of 346,231 such bales, which remains the maximum amount ever exported in a single year. A general decrease in the cultivation and exportation of cotton followed, and at the end of 1908 the exports had reached the low mark of 14,256 bales. This figure, however, is not indicative of the production of the country for that year, as the spinning and weaving of cotton in Brazil has developed to such an extent in the past 20 years that it is now the most important manufacturing industry in the country.¹ The mills depend almost entirely upon the home production for their raw material and consume by far the larger portion of the total quantity grown.

Great efforts are being made to increase cotton cultivation in Brazil and place it upon a stable basis. In 1912 the exports of Brazilian cotton amounted to 73,960 bales, and in 1913, to 165,008 bales. The production in 1913 has been placed at 410,000 bales. With the development of better cultural methods and the improvement of transportation facilities, the production of cotton in Brazil may be expected to show considerable increase.

PERU.

The production of cotton in Peru, while comparatively insignificant in quantity, has shown a rapid increase. In 1902 the crop amounted to 36,500 bales of 500 pounds each, and in 1909, the latest year for which accurate data are available, to 107,316 bales.¹ Of this amount, 95,411 bales were exported and 11,905 bales consumed in Peruvian mills, principally in the manufacture of the coarser grades of cloth. The value of cotton exported during the years 1909, 1910, and 1911 is given in a recent issue of the Pan-American Bulletin, and indicates that the exports for the later two years were somewhat less than in 1909. There has been some extension of the area devoted to cotton, and, in the absence of reliable information, the production in 1912 and 1913 is placed at 110,000 bales.

¹ Cotton Goods in Latin America, by W. A. Graham Clark, special agent of the Department of Commerce.

The principal cotton-producing districts of Peru are located near the coast and are irrigated by waters from the Andes, brought in canals from the many rivers. Rains are almost unknown in these districts, although considerable moisture is supplied in the form of dews, which are unusually heavy. The soil is rich and the average yield is not far from a bale to the acre. While Peruvian cotton is free from many of the diseases that attack the plants in other lands, considerable damage was caused in several districts by insect pests.

There are several varieties of cotton grown in the country, that from American seed amounting to nearly two-thirds of the total. The best-known variety is that designated "rough Peruvian," and grown principally in the Piura and Ica Valleys in the northwestern part of the country. It is an indigenous tree cotton, which attains a height of 12 to 15 feet and lives for a number of years. It is cut back each year, and is usually replanted in from 4 to 7 years. This variety is used for mixing with wool, and is in demand in all the wool-manufacturing countries. Small quantities of sea-island and Mit Afifi are also grown.

MEXICO.

Accurate statistics as to the annual production of cotton in Mexico are not available. The semiannual reports of the cotton mills to the Government, however, give the quantities of the several kinds of cotton consumed, and these, with the statistics of imports and exports, afford a general idea as to the production. According to the figures compiled by Mr. E. T. Craig, of Mexico City, the consumption of Mexican cotton in Mexican mills amounted to 127,000 bales of 500 pounds net for the year ending June 30, 1913, as compared with 130,000 bales for 1912, 147,000 bales for 1911, and 124,000 bales for 1910. The annual exports of cotton are negligible, while the imports range from 5,000 to 40,000 bales, most of which are American cotton. The growing conditions during the last season were better than for several years previous, but the output was restricted somewhat by the disturbed political conditions, and the production for 1913 is accordingly placed at 150,000 bales.

Cotton is cultivated in many parts of Mexico, but more than three-fourths of the total quantity is grown in the Laguna district, which includes portions of the States of Coahuila, Durango, and Chihuahua, where the production depends almost entirely upon irrigation. The staple produced in Mexico is strong and averages more than an inch in length.

When the factories are operating under normal conditions, they consume practically the entire production and draw also upon the United States for a part of their requirements.

TURKEY.

Under the stimulating effects of high prices the production of cotton in Turkey reached approximately 240,000 running bales in 1865. This was fol-

lowed by reaction, and between 1870 and 1895 no production worthy of mention occurred. Since 1895, however, a new impetus has been given to the industry, and the production in 1912, according to the report of Mr. G. Bie Ravndal, consul general at Constantinople, has been estimated at 200,000 bales. The principal cotton-growing section, according to this report, is in the Cilician Plain, in the vicinity of Adana. Other cotton-growing districts are in Aiden, near Smyrna, and in Armenia, Palestine, and Mesopotamia.

In view of the success attending the cultivation of cotton in the Russian Provinces of Asia, there will undoubtedly be a considerable expansion in Turkey, particularly with the introduction of modern methods of irrigation. Better transportation facilities are being provided, and some irrigation projects of magnitude are in course of construction, a large project of this character in the vicinity of ancient Babylon being nearly completed.

The weight of the Turkish bale varies considerably in the several districts, and account must be taken of this in presenting figures of production. According to information received from Mr. R. E. Prichard, of the Cotton Gazette, Liverpool, the total production of commercial cotton in the country from the crop of 1913 is 130,000 bales of 500 pounds each.

PERSIA.

The conditions surrounding the cultivation of cotton in Asiatic Russia and in Turkey are also found in Persia. The production in this country, while small, is growing. The value of cotton exported in 1911 was \$6,508,821, compared with \$8,258,237 in 1912. Irrigation is used for supplying the moisture, and as new land is brought under water advancement will be made in this culture. The production of commercial cotton from the crop of 1913 has been placed at 140,000 bales. The cotton produced is similar in character to that grown in Trans-Caucasia and in Turkestan, and is mostly exported to Russia, with which country transportation facilities have been provided.

OTHER COUNTRIES.

Cotton for mill consumption is also grown in a number of other countries and consideration must be given these in presenting a summary of the world's production. The conditions of soil and climate in some of these countries are so suited to cotton production that the handicaps of insufficient experienced labor and of inadequate transportation facilities will be overcome, and thus will be added to the world's supply of cotton the production of large areas as yet undeveloped. However, because of local conditions, many of them must ever remain of small importance from the standpoint of the quantity of cotton produced.

The West Indies furnished more than 70 per cent of the total British supply of cotton during the period from 1786 to 1790. While the total quantity was

never large, the production in these islands fell off greatly after this date, although in recent years there has been somewhat of a revival in this culture. The relative increase may be great, but the total production will never reach large proportions.

Colombia and Venezuela produce cotton to a limited extent, a large part of the total being used in the mills located in these countries.

Argentina contains large areas suited to the cultivation of cotton, but the total production is very small. According to the report of the British minister at Buenos Aires, the lack of cheap labor is a great obstacle to the cultivation of cotton, and, in spite of the efforts and encouragement of the Government, only 3,060 acres were planted in cotton in the Chaco territory. It does not appear that any large increase can be expected for years to come.

Uruguay, according to a statement in the August, 1913, issue of the Pan-American Bulletin, has taken up the cultivation of cotton. There were 9,372 bales of cotton exported from Paysandu, a port on the Uruguay River. This represents only a part of the cotton exported from Uruguay, as most of the districts send their cotton to Montevideo by railroad.

In Korea the Japanese Government is fostering the cultivation of cotton. The Daily Consular Report of June 25, 1913, contains a statement to the effect that the acreage in cotton in 1913 was 35,000, as against 15,000 the previous year. While the production at present is unimportant, it is probable that there will be a material increase in this country. Practically all of the cotton is grown in Chonla Province in the vicinity of Mopko.

Siam and French Indo-China are producing cotton on a larger scale than formerly. A part of the production is used in the mills located in these countries.

The Dutch East Indies and the Philippines grow some cotton, but it is improbable that the amounts will ever attain large proportions.

Australia has made some experiments in growing cotton, and large sections of the country appear to be suitable to this culture.

Greece has produced more than 10,000 bales annually for a number of years. With the annexation of the Turkish provinces, it is likely that the annual production will be several times this amount.

Bulgaria, Servia, Italy, and Spain all produce small quantities of cotton, but the totals reported are inconsequential.

Practically all of the African subdivisions produce some cotton, the largest amounts of commercial cotton being produced in Uganda, German East Africa, and Nigeria. The British, French, and German cotton-growing associations, as well as a number of other organizations, have furnished seed, erected ginneries, and otherwise encouraged the production of cotton in the several dependencies. Notwithstanding these endeavors, the increase in the quantity of cotton available for export has been disappointingly small.

CONSUMPTION, EXPORTS, IMPORTS, AND STOCKS OF COTTON.

Statistics concerning the quantity of cotton consumed, imported, exported, and on hand, and the number of active consuming cotton spindles are now collected monthly by the Bureau of the Census. This work is done in compliance with an act of Congress, approved July 22, 1912. Prior to the enactment of this law the bureau collected the statistics of cotton consumed and cotton on hand for periods ending with August, October, December, and February. These statistics are auxiliary to those of cotton ginned, and their purpose is to furnish reliable information as to the movement of cotton, which will be of value to the producer in disposing of his cotton and in planning for the succeeding crop, as well as to the manufacturer in purchasing his supplies.

To present complete statistics regarding stocks of cotton, it would be necessary to canvass all agencies which handle cotton. There are approximately 2,000,000 growers, 25,000 ginners, 2,600 public storage places, and 2,100 cotton-consuming establishments. In addition, there are numerous transportation companies, local buyers, merchants, and others who handle more or less cotton during the season. It is manifestly impracticable to obtain monthly reports from so many agencies, and the Bureau of the Census has therefore adopted the plan of securing individual

reports of the quantity of cotton consumed during each month and of stocks on hand in manufacturing establishments and in independent warehouses, compresses, and other public storage places at the end of the month. The Bureau of Foreign and Domestic Commerce, of this department, compiles and furnishes to the Bureau of the Census the statistics of imports and exports of cotton.

Statistics of cotton consumed, exported, and on hand have been collected since 1906. Table 28 summarizes these statistics for years ending August 31, showing, separately, the quantity of cotton consumed and on hand in manufacturing establishments for cotton-growing states and for all other states. The segregation of stocks shown in this and succeeding tables is based upon the location of the cotton and not upon the ownership nor the locality of growth. For instance, cotton in warehouses connected with the mills is classed as in manufacturing establishments, while cotton in independent warehouses and other public storage places comprises all cotton stored in such establishments, regardless of its ownership. Owing to the fact that figures expressing the number of bales of linters included in some of the items are not available, the amounts given in the table include both cotton and linters.

TABLE 28.—DISTRIBUTION OF THE COTTON SUPPLY FOR YEARS ENDING AUGUST 31: 1906 TO 1913.

[Quantities are given in running bales, except that round bales are counted as half bales, and foreign cotton in equivalent 500-pound bales. Linters are included.]

	1913	1912	1911	1910	1909	1908	1907	1906
Aggregate.....	16,225,734	17,896,226	13,873,423	12,188,021	15,312,885	13,358,707	15,025,720	13,047,219
Cotton exported.....	8,800,966	10,681,758	7,781,414	6,339,028	8,574,024	7,573,349	8,503,265	6,763,011
Cotton consumed, total.....	5,786,330	5,367,583	4,704,978	4,798,953	5,240,719	4,539,090	4,984,936	4,009,279
In cotton-growing states.....	2,960,518	2,712,223	2,328,487	2,292,333	2,553,797	2,187,096	2,410,993	2,373,577
In all other states.....	2,825,812	2,655,360	2,376,491	2,506,620	2,686,922	2,351,994	2,573,943	2,535,702
Cotton destroyed by fire.....	40,000	70,000	12,000	10,000	14,557	10,210	22,952	25,760
Cotton on hand at end of year.....	1,598,438	1,776,885	1,375,031	1,040,040	1,483,585	1,236,058	1,514,567	1,349,139
In manufacturing establishments, total.....	778,158	870,646	542,191	533,232	907,097	594,184	1,016,738	680,471
In cotton-growing states.....	234,509	241,611	101,114	121,349	186,458	112,471	311,307	184,060
In all other states.....	543,649	629,035	441,077	411,883	720,639	481,713	705,431	496,411
In independent warehouses and other public storage places.....	495,280	556,239	432,840	306,808	325,099	444,626	388,919	668,668
Elsewhere (estimated).....	325,000	350,000	400,000	200,000	251,389	197,248	108,910	

MONTHLY REPORTS OF COTTON AND LINTERS CONSUMED, IMPORTED, EXPORTED, AND ON HAND.

The collection of monthly reports of cotton consumed, imported, exported, and on hand, and of active consuming cotton spindles, authorized in the act approved July 22, 1912, was inaugurated with September, 1912. Table 29 presents statistics of cotton and linters consumed during each month and on hand in manufacturing establishments and public storage places at the end of each month from September, 1912, to March, 1914, inclusive.

The quantity of cotton consumed, as shown in the table, varies considerably from month to month. The

large amounts for October and for January, however, may be accounted for, in part, by the larger number of working days in those months and by the fact that a number of establishments—among them some of the largest in the country—reported for a four-week or a five-week period, so that the figures for these months cover a five-weeks' consumption in the case of a considerable number of establishments. This latter condition has been called to the attention of the mills, with the result that the reports for practically all establishments now relate to the calendar months. Consumption of cotton, both in the cotton-growing states and in all other states shows a general increase during the period covered by the table.

TABLE 29.—COTTON AND LINTERS CONSUMED AND ON HAND IN MANUFACTURING ESTABLISHMENTS AND IN PUBLIC STORAGE PLACES, BY MONTHS: SEPTEMBER, 1912, TO MARCH, 1914, INCLUSIVE.

[Quantities are given in running bales, except that round bales are counted as half bales, and foreign cotton in equivalent 500-pound bales.]

MONTH.	Year.	COTTON.						LINTERS.					
		Consumed.			On hand.			Consumed.			On hand.		
		Total.	In cotton states.	In all other states.	In manufacturing establishments.		In independent warehouses, etc.	Total.	In cotton states.	In all other states.	In manufacturing establishments.		In independent warehouses, etc.
					In cotton states.	In all other states.					In cotton states.	In all other states.	
September.....	1913	442,435	240,935	201,500	196,522	418,059	1,295,155	27,697	9,172	18,525	13,196	39,295	24,681
	1912	411,582	214,993	196,589	197,264	475,219	1,378,078	24,579	8,548	16,031	8,050	33,373	10,268
October.....	1913	511,923	263,235	248,688	564,393	458,622	2,509,658	31,355	10,701	20,654	12,397	37,086	38,057
	1912	483,878	243,405	240,473	441,578	429,067	2,805,864	29,182	10,053	19,129	9,273	28,471	15,451
November.....	1913	456,356	244,546	211,810	816,337	610,301	3,260,714	26,242	9,389	16,853	16,307	42,516	34,541
	1912	448,800	233,855	214,915	749,206	545,814	3,337,527	26,711	9,423	17,288	13,834	32,158	33,188
December.....	1913	456,262	238,149	218,113	936,285	792,274	3,312,853	21,993	7,888	14,105	20,863	53,717	44,302
	1912	422,569	216,818	205,751	921,522	721,873	3,199,207	22,706	8,360	14,346	19,184	42,626	36,157
January.....	1914	517,299	269,460	247,839	905,419	859,142	2,839,700	23,611	8,468	15,143	23,718	63,499	49,923
	1913	509,694	262,321	247,373	895,049	941,497	2,622,010	24,049	9,183	14,866	22,063	53,784	35,038
February.....	1914	455,531	243,182	212,049	848,686	863,682	2,313,974	22,398	7,562	14,836	20,185	67,624	54,721
	1913	448,095	232,198	215,897	871,177	1,022,789	2,217,619	23,118	7,763	15,355	25,830	61,505	33,280
March.....	1914	493,354	280,797	232,557	806,423	872,816	1,834,008	24,720	7,830	16,890	26,873	76,753	57,538
	1913	462,455	242,863	210,592	824,163	1,014,305	1,790,526	23,118	7,350	15,768	25,410	67,644	40,790
April.....	1913	478,506	254,223	224,283	721,521	931,786	1,340,605	25,484	7,104	18,380	24,787	68,296	46,268
May.....	1913	481,993	253,546	228,447	590,560	828,627	895,573	27,327	7,843	19,484	21,811	63,823	43,281
June.....	1913	441,157	235,721	205,436	471,767	731,703	609,360	25,355	7,372	17,983	20,826	61,019	40,877
July.....	1913	462,242	240,969	221,273	345,152	612,409	381,739	24,750	7,486	17,264	17,815	54,573	29,148
August.....	1913	432,350	230,801	201,549	£19,134	498,520	467,902	26,630	8,290	18,340	15,325	45,129	27,378

Stocks of cotton on hand naturally increased during the ginning season, reaching their highest point for the manufacturing establishments in cotton-growing states in December and in all other states in March, while the quantity in independent warehouses and other public storage places was largest at the close of December. These statistics do not show the quantity of cotton and linters held "elsewhere," that is, cotton and linters other than in manufacturing establishments and in public storage places.

ACTIVE COTTON SPINDLES.

Table 30 shows, for each month since September, 1912, the number of active cotton spindles in the United States, in the cotton-growing states, and in all other states. The figures include all spindles operated at any time during the month, and therefore do not represent the average number. The number of active cotton spindles has shown for each month a gain over the preceding month, this being the case in the cotton-growing states and for the country as a whole.

TABLE 30.—ACTIVE CONSUMING COTTON SPINDLES, BY MONTHS: SEPTEMBER, 1912, TO MARCH, 1914.

MONTH.	Year.	ACTIVE COTTON SPINDLES (NUMBER).			MONTH.	Year.	ACTIVE COTTON SPINDLES (NUMBER).		
		Total.	In cotton-growing states.	In all other states.			Total.	In cotton-growing states.	In all other states.
September.....	1913	30,634,381	12,009,066	18,625,375	February.....	1914	31,139,730	12,306,311	18,833,419
	1912	29,775,039	11,502,636	18,272,403		1913	30,536,486	11,757,852	18,778,634
October.....	1913	30,855,360	12,080,706	18,774,654	March.....	1914	31,083,858	12,352,972	18,730,886
	1912	30,030,733	11,582,060	18,448,673		1913	30,575,028	11,853,142	18,721,886
November.....	1913	30,949,337	12,090,701	18,858,636	April.....	1913	30,572,108	11,911,333	18,660,775
	1912	30,072,579	11,610,173	18,462,406	May.....	1913	30,556,177	11,918,309	18,637,868
December.....	1913	31,004,716	12,152,883	18,851,833	June.....	1913	30,046,121	11,954,524	18,091,597
	1912	30,153,747	11,619,899	18,533,848	July.....	1913	30,022,654	11,969,736	18,052,918
January.....	1914	31,098,178	12,256,938	18,841,840	August.....	1913	30,602,282	11,973,633	18,628,649
	1913	30,359,843	11,740,465	18,619,378					

IMPORTS AND EXPORTS OF COTTON.

Foreign cotton imported into the United States is frequently transhipped at intermediate points, and, in some instances, is counted as imported from the country of transshipment. There has been a demand

for information regarding the country of production, and the Bureau of Foreign and Domestic Commerce has accordingly arranged to furnish this information. The following table shows the monthly imports of cotton, by country of production, from September, 1912, to March, 1914, inclusive.

COTTON PRODUCTION: 1913.

TABLE 31.—TOTAL IMPORTS OF COTTON, BY COUNTRIES OF PRODUCTION, FOR EACH MONTH FROM SEPTEMBER, 1912, TO MARCH, 1914, INCLUSIVE.

MONTH.	Year.	IMPORTS OF FOREIGN COTTON (EQUIVALENT 500-POUND BALES).							MONTH.	Year.	IMPORTS OF FOREIGN COTTON (EQUIVALENT 500-POUND BALES).						
		Total.	Produced in—								Total.	Produced in—					
			Egypt.	China.	Peru.	India.	Mexico.	All other countries.				Egypt.	China.	Peru.	India.	Mexico.	All other countries.
September.....	1913	7,449	4,000	413	1,328	719	983	6	February.....	1914	20,771	11,361	3,602	1,423	951	3,361	70
	1912	8,930	7,710	106	630	433	21	80		1913	34,039	29,899	2,457	1,367	310	310	
October.....	1913	5,509	2,119	751	1,419	266	1,014		March.....	1914	30,863	17,155	5,049	886	70	7,556	147
	1912	10,571	6,522	3,042	567	345	58	37		1913	27,889	23,028	1,051	946	2,505	97	262
November.....	1913	7,281	2,404	282	1,523	157	2,898	17	April.....	1913	20,776	16,377	3,082	797			520
	1912	9,452	7,905	471	867	151	3	55	May.....	1913	13,820	11,764	518	461	1		1,076
December.....	1913	15,815	11,888	67	1,324	655	1,635	246	June.....	1913	8,019	6,622	617	572			208
	1912	24,840	21,548	1,730	1,481		72	15	July.....	1913	9,496	7,049	1,303	906	80		158
January.....	1914	19,624	11,341	508	883	155	6,708	29	August.....	1913	7,785	5,553	832	557	814	29	
	1913	52,022	47,098	3,132	1,586	44	160	2									

A large proportion of the foreign cotton imported into the United States is Egyptian, 83.9 per cent of the total for the year ending August 31 being produced in that country. Almost one-half of the remainder was Chinese, with smaller amounts of Peruvian, Indian, and Mexican, the quantity of the last named being

largely increased by the transportation of seed cotton from Lower California to California for ginning.

The following table presents, by months, from September, 1912, to March, 1914, the total exports of domestic cotton and linters, and shows, separately, the quantities taken by the most important countries:

TABLE 32.—EXPORTS OF DOMESTIC COTTON AND LINTERS, BY COUNTRIES TO WHICH EXPORTED, BY MONTHS: SEPTEMBER, 1912, TO MARCH, 1914, INCLUSIVE.

MONTH.	Year.	EXPORTS OF DOMESTIC COTTON AND LINTERS (RUNNING BALES) TO—						Linters included in exports.
		Total.	United Kingdom.	Germany.	France.	Italy.	All other countries.	
September.....	1913	930,328	376,426	290,805	131,950	45,290	85,857	3,062
	1912	729,859	345,260	163,449	103,060	36,901	81,159	(1)
October.....	1913	1,517,891	514,105	465,525	279,469	54,282	204,510	9,457
	1912	1,515,746	638,780	430,744	239,515	63,606	143,101	(1)
November.....	1913	1,501,259	530,355	516,853	183,494	67,994	202,563	27,005
	1912	1,734,687	764,928	464,058	263,582	51,756	190,363	(1)
December.....	1913	1,230,830	473,028	326,938	146,074	80,621	204,169	21,249
	1912	1,391,394	610,386	384,345	165,573	57,056	174,034	(1)
January.....	1914	1,052,272	437,231	308,116	78,574	54,824	173,527	24,697
	1913	900,931	355,837	240,087	97,813	49,871	157,318	(1)
February.....	1914	751,013	328,794	212,599	74,785	36,473	98,362	39,325
	1913	530,911	166,726	159,817	26,991	47,450	129,927	(1)
March.....	1914	695,310	264,999	219,948	70,447	43,130	96,786	39,619
	1913	372,073	97,185	128,019	14,561	44,847	87,461	(1)
April.....	1913	534,506	208,063	133,024	19,899	38,338	134,372	(1)
May.....	1913	468,966	164,871	126,574	23,643	41,440	112,438	(1)
June.....	1913	223,921	88,906	60,804	7,935	27,077	39,199	(1)
July.....	1913	140,710	39,898	40,548	7,132	24,589	28,543	(1)
August.....	1913	257,172	77,488	72,928	52,933	13,568	40,255	(1)

¹ Not available.

STOCKS OF COTTON IN FOREIGN COUNTRIES.

The importance of cotton in the industrial world has created a widespread demand for information as to the supply of the staple. To meet this demand there are a number of individuals and associations engaged in compiling and publishing statistics on this subject. As a rule, the statistics of stocks are limited to the holdings in the more important cotton centers and to

cotton afloat, although some authorities publish data as to cotton on hand at the mills.

The International Federation of Master Cotton Spinners' and Manufacturers' Associations, which includes leading organizations of cotton manufacturers in the important cotton-spinning countries, collects information direct from the mills as to actual stocks of cotton on hand at the close of August and of Feb-

ruary. Owing to the fact that the furnishing of the information is voluntary, and to the further fact that the mills are very widely scattered, there are always some establishments which fail to furnish the data at all, while the returns of some others are delayed beyond the date of publication. As a result, the data are incomplete and their value for purposes of comparison is correspondingly affected.

The following table, compiled from the report of the federation published March 31, 1914, shows, by countries for the years 1909 to 1914, inclusive, the total estimated number of spinning spindles, the number of spinning spindles in the establishments from which returns were actually received, and the number of bales of the several kinds of cotton on hand on March 1, in the establishments reporting:

TABLE 33.—NUMBER OF SPINDLES AND STOCKS OF COTTON ON HAND MARCH 1, BY COUNTRIES: 1909 TO 1914.

[Compiled from the Report of the International Federation of Master Cotton Spinners' and Manufacturers' Associations, published March 31, 1914. Stocks relate only to establishments from which reports were received.]

COUNTRY AND YEAR.	Total estimated number of spinning spindles.	Number of spinning spindles in mills from which returns were received.	COTTON STOCKS ON MARCH 1 (RUNNING BALES).					COUNTRY AND YEAR.	Total estimated number of spinning spindles.	Number of spinning spindles in mills from which returns were received.	COTTON STOCKS ON MARCH 1 (RUNNING BALES).				
			Total.	American.	East Indian.	Egyptian.	All other.				Total.	American.	East Indian.	Egyptian.	All other.
Europe:															
Great Britain—															
1914	55,971,501	50,588,794	465,015	283,783	12,405	126,850	41,977	529,772	418,793	3,600	2,150	50	200	1,200	
1913	55,576,108	48,229,545	494,367	326,034	8,937	126,399	32,997	470,000	411,493	14,862	11,604	2,707	525	26	
1912	55,164,794	48,220,302	430,143	287,276	8,104	101,929	32,334	430,000	325,911	16,695	13,232	3,424	.....	39
1911	53,859,247	48,688,061	399,021	260,845	15,626	92,216	30,334	.....	.....	.....	.....	.....	.....	.....
1910	53,729,882	48,818,234	415,182	248,430	19,003	100,368	46,781	.....	.....	.....	.....	.....	.....	.....
1909	53,471,897	47,794,671	464,388	303,844	13,637	118,414	28,493	.....	.....	.....	.....	.....	.....	.....
Germany—															
1914	11,404,944	11,163,498	401,750	255,016	91,918	37,393	17,423	.....	.....	.....	.....	.....	.....	.....
1913	10,920,426	10,717,848	370,280	264,882	47,152	37,800	20,446	.....	.....	.....	.....	.....	.....	.....
1912	10,598,752	10,335,274	328,582	249,545	35,252	33,272	10,513	.....	.....	.....	.....	.....	.....	.....
1911	10,299,597	10,045,369	307,596	188,858	69,147	33,783	15,803	.....	.....	.....	.....	.....	.....	.....
1910	10,058,370	9,891,450	341,339	214,901	72,240	35,652	18,546	.....	.....	.....	.....	.....	.....	.....
1909	9,881,321	9,819,293	401,207	252,778	108,538	29,218	10,673	.....	.....	.....	.....	.....	.....	.....
Russia—															
1914	9,111,835	7,805,859	508,767	91,097	10,026	18,732	388,912	.....	.....	.....	.....	.....	.....	.....
1913	8,950,000	7,218,788	498,659	61,136	5,781	16,332	415,410	.....	.....	.....	.....	.....	.....	.....
1912	8,800,000	7,320,117	541,822	111,120	2,642	15,220	412,840	.....	.....	.....	.....	.....	.....	.....
1911	8,600,000	6,731,395	454,587	97,715	6,020	15,908	334,944	.....	.....	.....	.....	.....	.....	.....
1910	8,200,000	5,861,461	600,623	90,533	4,653	19,365	386,072	.....	.....	.....	.....	.....	.....	.....
1909	7,829,210	5,750,159	442,082	113,575	8,689	23,623	296,195	.....	.....	.....	.....	.....	.....	.....
France—															
1914	7,400,000	7,240,570	223,816	129,645	43,548	38,738	11,885	.....	.....	.....	.....	.....	.....	.....
1913	7,400,000	7,207,103	199,364	127,789	25,467	32,822	13,286	.....	.....	.....	.....	.....	.....	.....
1912	7,400,000	7,155,079	178,262	123,983	16,504	27,716	10,059	.....	.....	.....	.....	.....	.....	.....
1911	7,200,000	6,978,867	162,060	100,998	27,671	27,374	6,017	.....	.....	.....	.....	.....	.....	.....
1910	7,033,187	6,615,503	189,092	124,378	32,910	25,165	6,639	.....	.....	.....	.....	.....	.....	.....
1909	6,760,000	6,085,491	182,233	123,996	31,890	19,449	6,898	.....	.....	.....	.....	.....	.....	.....
Austria—															
1914	4,941,320	4,831,852	188,663	109,402	63,379	9,669	6,213	.....	.....	.....	.....	.....	.....	.....
1913	4,804,453	4,804,453	174,094	125,260	31,100	8,361	9,373	.....	.....	.....	.....	.....	.....	.....
1912	4,718,282	4,718,282	184,386	137,787	29,959	9,130	7,610	.....	.....	.....	.....	.....	.....	.....
1911	4,686,433	4,280,692	151,508	94,083	43,189	8,181	6,055	.....	.....	.....	.....	.....	.....	.....
1910	4,557,137	4,303,466	168,908	104,877	51,828	9,284	2,919	.....	.....	.....	.....	.....	.....	.....
1909	4,162,295	4,122,295	201,948	127,711	60,073	10,948	2,611	.....	.....	.....	.....	.....	.....	.....
Italy—															
1914	4,600,000	3,880,785	180,387	113,463	52,120	6,241	8,563	.....	.....	.....	.....	.....	.....	.....
1913	4,580,000	3,657,039	135,821	99,334	24,117	4,791	7,679	.....	.....	.....	.....	.....	.....	.....
1912	4,622,065	3,382,377	140,908	110,003	23,287	5,613	2,005	.....	.....	.....	.....	.....	.....	.....
1911	4,215,000	3,855,750	159,750	91,936	53,006	8,528	5,680	.....	.....	.....	.....	.....	.....	.....
1910	4,150,000	3,824,777	166,083	98,765	56,931	5,161	5,226	.....	.....	.....	.....	.....	.....	.....
1909	4,000,000	3,587,405	197,668	139,797	47,574	7,062	3,235	.....	.....	.....	.....	.....	.....	.....
Spain—															
1914	2,200,000	1,875,200	74,137	47,978	12,580	3,125	10,454	.....	.....	.....	.....	.....	.....	.....
1913	2,200,000	1,842,200	74,744	48,453	11,472	2,985	11,834	.....	.....	.....	.....	.....	.....	.....
1912	1,853,000	1,713,220	66,640	47,500	9,600	2,340	7,200	.....	.....	.....	.....	.....	.....	.....
1911	1,853,000	1,712,640	64,200	42,300	11,500	2,300	8,100	.....	.....	.....	.....	.....	.....	.....
1910	1,900,000	1,702,000	63,450	43,100	9,500	2,400	8,450	.....	.....	.....	.....	.....	.....	.....
1909	1,853,000	1,272,000	50,230	31,723	12,750	2,923	2,834	.....	.....	.....	.....	.....	.....	.....
Switzerland—															
1914	1,383,572	1,273,014	35,215	18,544	2,362	14,052	257	.....	.....	.....	.....	.....	.....	.....
1913	1,398,062	1,279,508	29,101	15,039	1,293	12,032	737	.....	.....	.....	.....	.....	.....	.....
1912	1,407,272	1,235,198	27,320	16,298	355	10,032	635	.....	.....	.....	.....	.....	.....	.....
1911	1,485,454	1,307,664	21,341	10,579	1,213	8,917	632	.....	.....	.....	.....	.....	.....	.....
1910	1,496,698	1,309,432	24,973	13,598	1,416	9,330	629	.....	.....	.....	.....	.....	.....	.....
1909	1,493,012	1,414,660	30,794	15,083	1,499	12,878	1,334	.....	.....	.....	.....	.....	.....	.....
Belgium—															
1914	1,518,134	1,518,134	72,638	27,463	42,657	297	2,221	.....	.....	.....	.....	.....	.....	.....
1913	1,498,838	1,468,838	81,963	47,510	33,053	241	1,159	.....	.....	.....	.....	.....	.....	.....
1912	1,371,975	1,371,975	56,515	40,455	14,812	80	1,168	.....	.....	.....	.....	.....	.....	.....
1911	1,322,075	1,322,075	74,424	33,807	38,895	129	1,593	.....	.....	.....	.....	.....	.....	.....
1910	1,312,780	1,312,780	59,489	31,705	24,639	107	3,038	.....	.....	.....	.....	.....	.....	.....
1909	1,200,000	1,026,651	49,316	27,215	21,500	374	227	.....	.....	.....	.....	.....	.....	.....
Sweden—															
1914	550,000	380,395	22,121	19,348	2,526	177	70	.....	.....	.....	.....	.....	.....	.....
1913	529,772	377,796	22,564	21,108	915	280	261	.....	.....	.....	.....	.....	.....	.....
1912	529,772	386,454	15,088	12,748	2,022	317	1	.....	.....	.....	.....	.....	.....	.....
Europe—Con.															
Sweden—Con.															
1911	470,000	411,493	14,862	11,604	2,707	525	26	.....	.....	.....	.....	.....	.....	.....
1909	430,000	325,911	16,695	13,232	3,424	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portugal—															
1914	482,000	400,000	3,600	2,150	50	200	1,200	.....	.....	.....	.....	.....	.....	.....
1913	482,000	400,000	3,600	2,150	50	200	1,200	.....	.....	.....	.....	.....	.....	.....
1912	480,000	390,520	9,658	7,440	234	134	1,850	.....	.....	.....	.....	.....	.....	.....
1911	475,698	287,400	6,740	4,560	620	360	1,200	.....	.....	.....	.....	.....	.....	.....
1910	475,696	378,016	9,602	6,922	300	180	2,200	.....	.....	.....	.....	.....	.....	.....
1909	450,000	440,716	17,594	8,468	91	139	8,896	.....	.....	.....	.....	.....	.....	.....
Holland—															
1914	499,994	499,994	16,130	9,390	5,185	25	1,530	.....	.....	.....	.....	.....	.....	.....
1913	470,956	470,956	15,855	9,989	2,663	146	3,057	.....	.....	.....	.....	.....	.....	.....
1912	454,412	454,412	9,425	7,905	1,256	.....	264	.....	.....	.....	.....	.....	.....	.....
1911	465,246	465,246	8,655	6,521	2,134	.....	.....	.....	.....	.....	.....	.....	.....	.....
1910	420,978	420,978	11,520	5,762	5,066	.....	692	.....	.....	.....	.....	.....	.....	.....
1909	417,214	417,214	14,815	9,482	5,333	.....	.....	.....	.....	.....	.....	.....	.....	.....
Denmark—															
1914	93,488	93,488	1,557	1,036	299	.....	222	.....	.....	.....	.....	.....	.....	.....
1913	86,836	86,836	1,544	1,312	.....	.....	232	.....	.....	.....	.....	.....	.....	.....
1912	83,160	83,160	1,4												

COTTON PRODUCTION: 1913.

Liverpool, England, has long been the world's greatest market and clearing house for cotton, and the receipts at this port include cotton from all of the producing countries. Accordingly the cotton situation has a special interest in this city, and a number of publications relating to cotton are issued. Among others, the Liverpool Cotton Association compiles and publishes reports regarding the movement of

cotton. The reports include statistics of stocks on hand at Liverpool and at other ports, of cotton afloat, and of takings by the British and continental mills. Table 34, which shows cotton on hand at Liverpool, London, Bremen, Havre, Bombay, and Alexandria, and cotton afloat to the United Kingdom and to the continent, has been compiled principally from the reports of this association.

TABLE 34.—STOCKS OF COTTON ON HAND AT SELECTED PORTS AND COTTON AFLOAT TO GREAT BRITAIN AND TO THE CONTINENT ON THE FRIDAY NEAREST MARCH 1: 1910 TO 1914.

PORT AND YEAR.	Total.	American.	Bra- zilian.	Egyp- tian.	Peru- vian.	All other.	PORT AND YEAR.	Total.	American.	Bra- zilian.	Egyp- tian.	Peru- vian.	All other.
STOCKS OF COTTON HELD ON THE FRIDAY NEAREST MARCH 1 (RUNNING BALES).							STOCKS OF COTTON HELD ON THE FRIDAY NEAREST MARCH 1 (RUNNING BALES)—continued.						
Europe:							Bombay:						
Liverpool—							1914.....	698,000					698,000
1914.....	1,149,420	908,330	100,220	74,240	37,120	29,510	1913.....	655,000					655,000
1913.....	1,402,220	1,252,520	42,470	68,980	26,130	12,120	1912.....	604,000					604,000
1912.....	1,113,140	1,004,400	16,270	58,350	21,020	13,100	1911.....	442,000					442,000
1911.....	1,299,190	1,180,920	31,830	70,160	6,200	10,080	1910.....	549,000					549,000
1910.....	933,810	864,310	9,200	28,400	2,800	29,100	Alexandria:						
London—							1914.....	360,000			360,000		
1914.....	4,775					4,775	1913.....	297,000			297,000		
1913.....	8,379					8,379	1912.....	284,000			284,000		
1912.....	3,168					3,168	1911.....	256,000			256,000		
Bremen—							COTTON AFLOAT ON THE FRIDAY NEAREST MARCH 1 (RUNNING BALES).						
1914.....	567,000	560,000				7,000	To Great Britain:						
1913.....	505,000	503,000				2,000	1914.....	333,000	281,000	15,000	24,000	6,000	7,000
1912.....	525,800	524,000				1,800	1913.....	181,000	131,000	6,000	18,000	15,000	11,000
Havre—							1912.....	410,000	362,000	2,000	35,000	6,000	5,000
1914.....	418,500	407,000				9,500	1911.....	173,000	141,000	4,000	18,000	4,000	6,000
1913.....	448,800	442,300				6,500	To the Continent:						
1912.....	339,700	333,100				6,600	1914.....	488,000	289,000		10,000		189,000
Other continental ports—							1913.....	346,000	239,000		12,000		95,000
1914.....	114,890	81,990		3,070		29,830	1912.....	716,000	628,000		9,000		79,000
1913.....	112,010	85,550		4,200		22,260	1911.....	559,000	375,000		17,000		167,000
1912.....	63,430	44,900		3,400		15,130							

THE COLLECTION OF STATISTICS OF COTTON.

Cotton now leads all other fibers as a textile material. The position attained by this staple and its manufactures in the industrial and commercial world renders reliable information regarding it of great importance. The international trade in no other single article equals that in cotton and the products made from it. In its various stages—from the seed to the completed fabric—it furnishes employment to a considerable portion of the entire human race. It affects not only those who are engaged directly in producing, handling, and consuming the fiber and its products, but also large numbers who touch it, so to speak, as merchants, bankers, manufacturers of fertilizers and ginning machinery, and, in fact, some of those engaged in almost any line of endeavor.

While statistics of the imports and exports of cotton and of cotton manufactures have been collected for many years, it is only within comparatively recent years that any government has taken an active interest in the collection of statistics as to production, consumption, and stocks. The decennial censuses taken in the United States have since 1840 included reports on the production of cotton, and since 1880, of the acreage devoted to the crop, as returned by the planters; but the totals as thus obtained were never ready for publication until the crops to which they related had been marketed and consumed. Beginning with 1866, the United States Government, through the Department of Agriculture (at that time the Bureau of Agriculture), has each year issued reports of the acreage and production of cotton. These estimates, based on the statements of a large number of persons with more or less information regarding local conditions, frequently conflicted materially with the reports compiled by private enterprise, and were not received with that degree of confidence necessary to give steadiness to the cotton market or to guide the planter and the manufacturer in their operations. Thus, while the Government was making these efforts to supply impartial and guiding information, there yet remained a feeling of uncertainty and the need of a more direct and comprehensive method of determining the size of the crop and the rapidity of its movement.

In 1880 the Census Bureau attempted to obtain information of the production of cotton by a canvass of the gineries, but the organization work was not so complete as it might have been, and records of the number of bales ginned by many of the ginners were not available. The results were therefore incomplete and unsatisfactory. Another effort in 1900 to determine

the production of cotton in this manner proved satisfactory to such extent that Congress, in the act establishing the permanent Census Bureau, authorized the compilation and publication of the number of bales of cotton ginned to specified dates during each ginning season and for the crop. The number of these reports has since been increased, so that now 10 reports of cotton ginned are collected and published each year—practically semimonthly reports during the ginning season.

Prior to the inauguration of this work by the Bureau of the Census in 1900, the methods employed by the Government and by the several private concerns engaged in compiling reports of the cotton production during the season were essentially the same. All of them consisted in comparing, revising, composing, and compiling the judgments, opinions, and conjectures of a greater or less number of correspondents or agents in various parts of the cotton-growing states. Obviously any improvement in such a method must consist in increasing the number of agents and in the growing skill of these agents in judging the crop in their respective territories at the time of making their reports. It is equally obvious that no degree of improvement possible to this method could free its reports from the element of doubt.

More accurate, because based upon the actual movement of cotton, and yet not determining the approximate size of the crop until the close of the cotton year, were the reports of commercial associations, such as the New Orleans Cotton Exchange. These associations secured, and do yet secure, reliable information of cotton arriving at ports and at selected interior points, of the overland movement to the Northern states and to Canada, and of the takings of the southern mills. The figures published by these associations, though reliable, were at best partial and merely indicative. They indicated perchance a larger or a smaller crop, or perhaps a more rapid or a slower movement of the crop, and this element of doubt, arising from the very incompleteness of the reports, was used to its extreme possibilities by some of those who operated in the cotton market. That unknown quantity of cotton held at unselected points and by the growers themselves, which, in trade parlance, had not come "into sight," was so considerable as to leave room for wild speculation. To illustrate: The report of the New Orleans Cotton Exchange, that 11,575,304 bales had come into sight to the close of January, 1914, betrays the inadequacy of this infor-

mation for judging the size of the crop when compared with the census report of January 23, showing that, prior to January 16, 13,589,171 bales had been ginned from the crop grown in 1913.

Thus the methods employed by the Bureau of the Census in determining the production of cotton before the close of the cotton year bear the relation to all other methods which accuracy, certainty, and confidence bear to conjecture, uncertainty, and doubt.

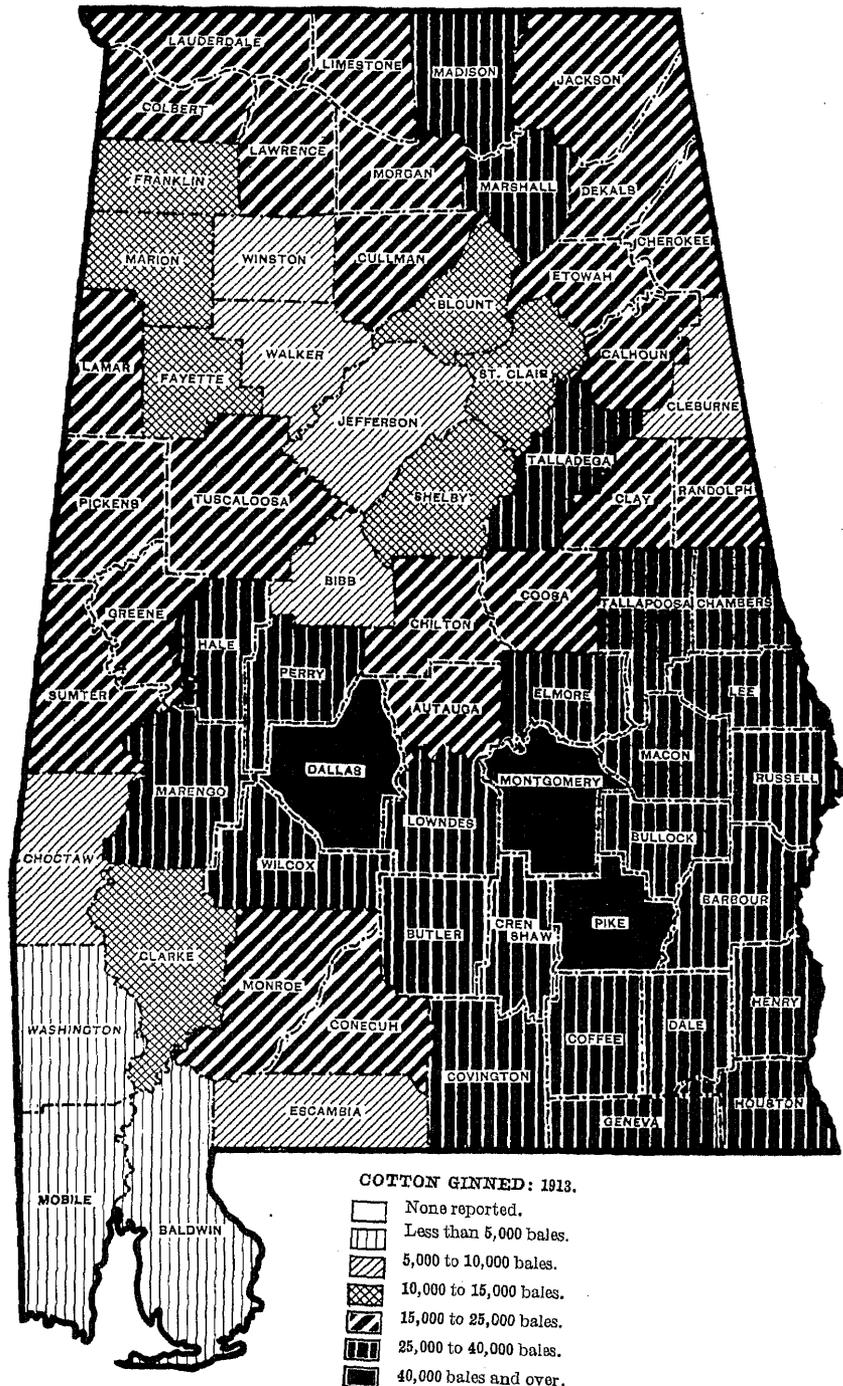
The success attending this bureau's compilation of the reports of cotton ginned resulted in Congress authorizing, in 1905, the collection of reports regarding the supply and distribution of cotton for years ending August 31. Since then this authorization was enlarged by the joint resolution approved March 2, 1909, and the act of July 22, 1912, so that, at the present time, reports are collected and published showing the consumption, imports, exports, and stocks

of cotton, and the number of active consuming cotton spindles for each calendar month.

There is a demand for the collection in other important cotton-producing and cotton-consuming countries of information regarding this staple similar to that compiled and published by this bureau for the United States. Such arrangements have been made in India. Beginning with the crop of 1914, the Indian Government will collect information as to the production of cotton in that country by canvassing the pressing establishments. This method should result in the compilation and promulgation of accurate reports regarding the production of cotton in that country. The Governments of Egypt and of Russia are giving the subject of cotton statistics more attention than formerly and it is probable that systems for determining the production of cotton by a canvass of the gineries or the presses will be instituted.

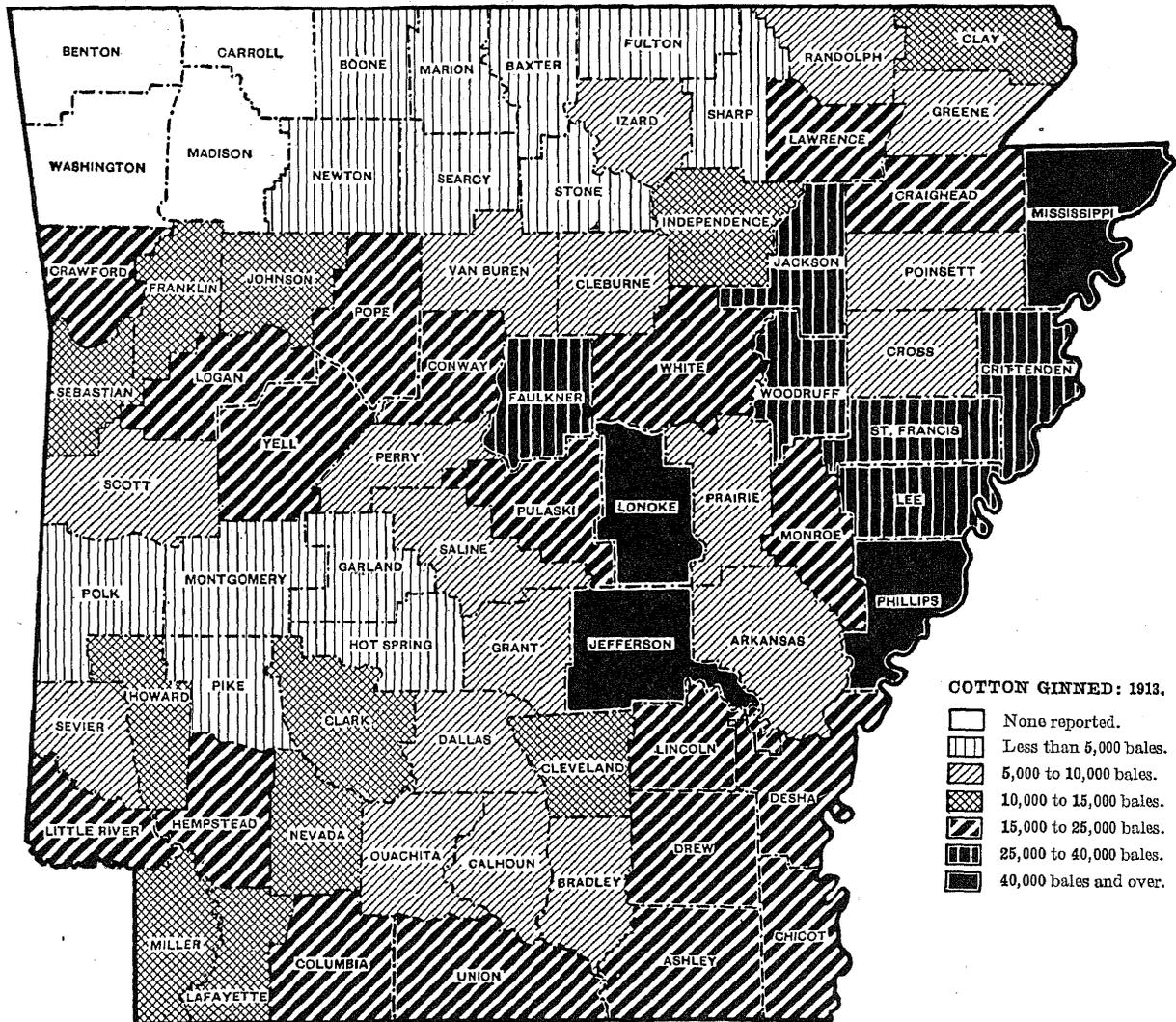
ALABAMA.

[See table on page 35.]



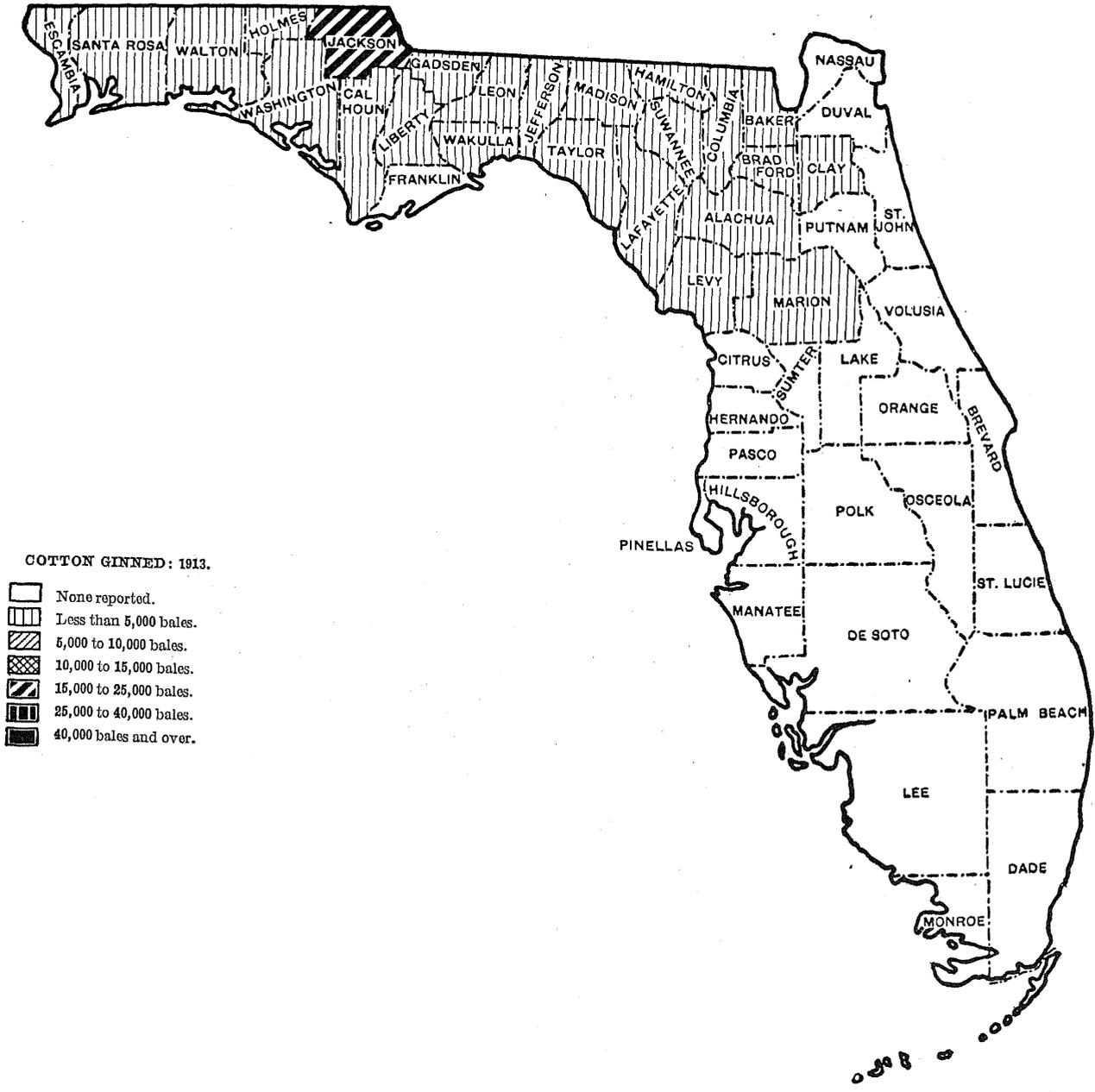
ARKANSAS.

[See table on page 36.]



FLORIDA.

[See table on page 37.]

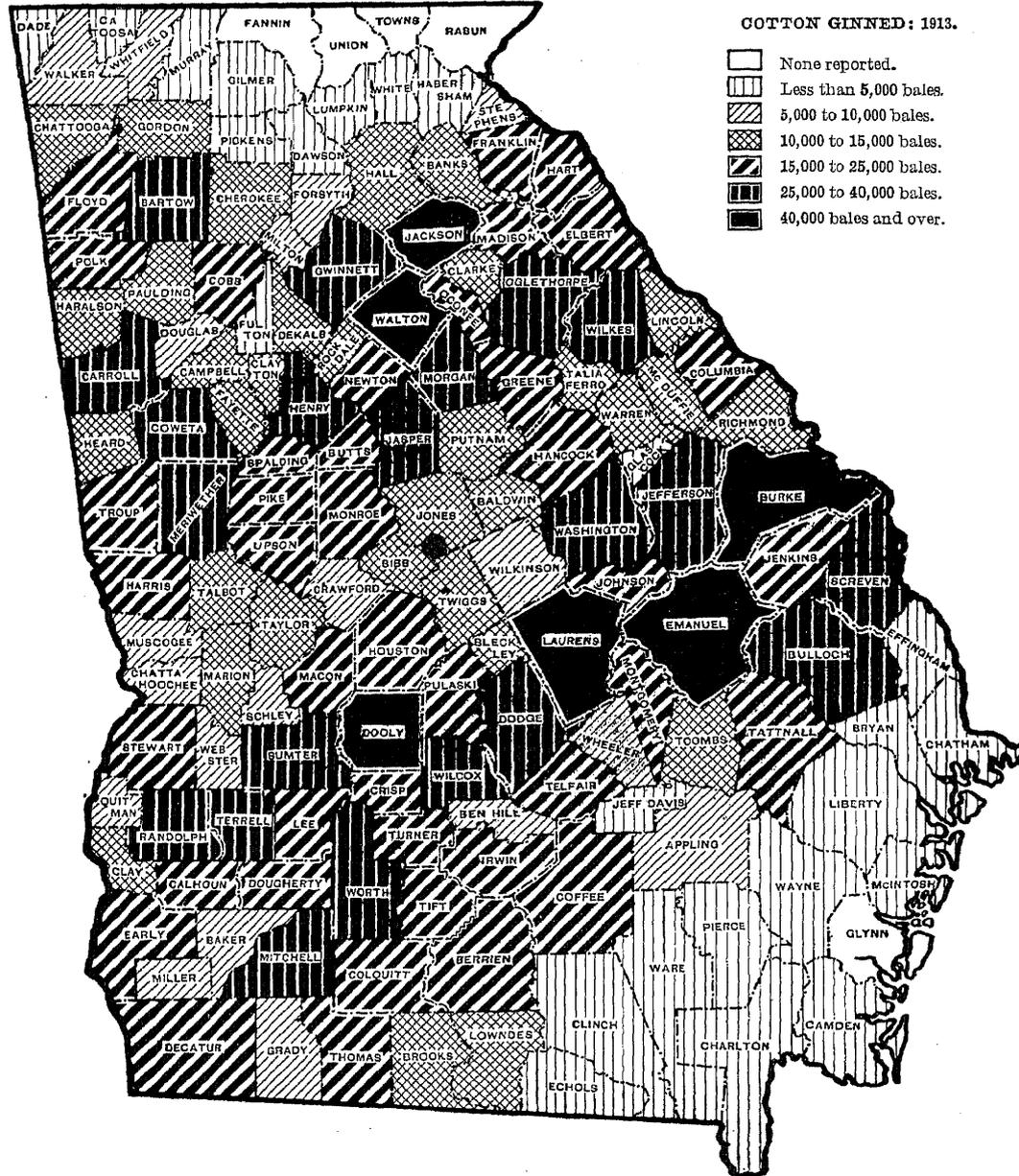


COTTON GINNED: 1913.

-  None reported.
-  Less than 5,000 bales.
-  5,000 to 10,000 bales.
-  10,000 to 15,000 bales.
-  15,000 to 25,000 bales.
-  25,000 to 40,000 bales.
-  40,000 bales and over.

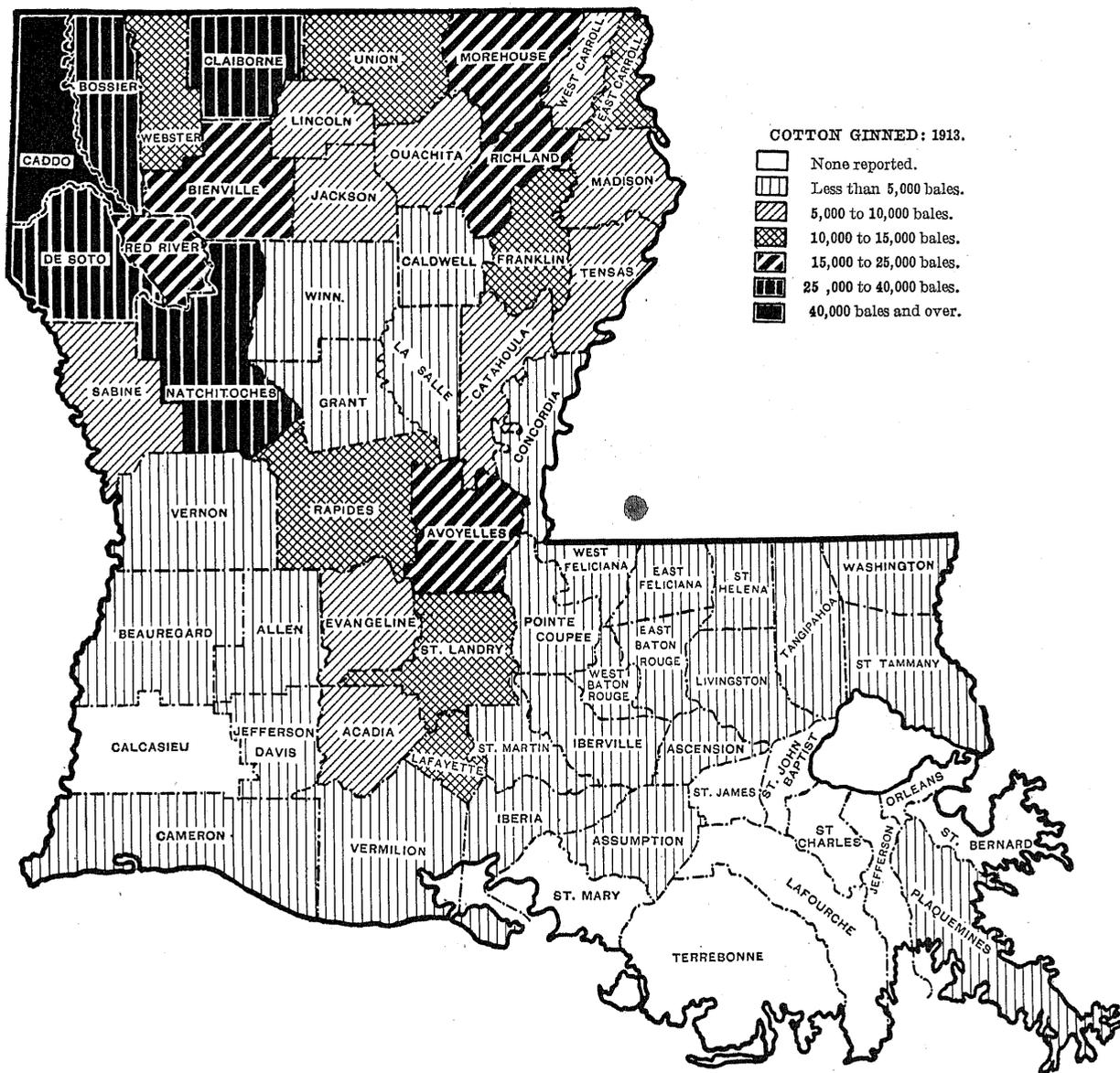
GEORGIA.

[See table on page 37.]



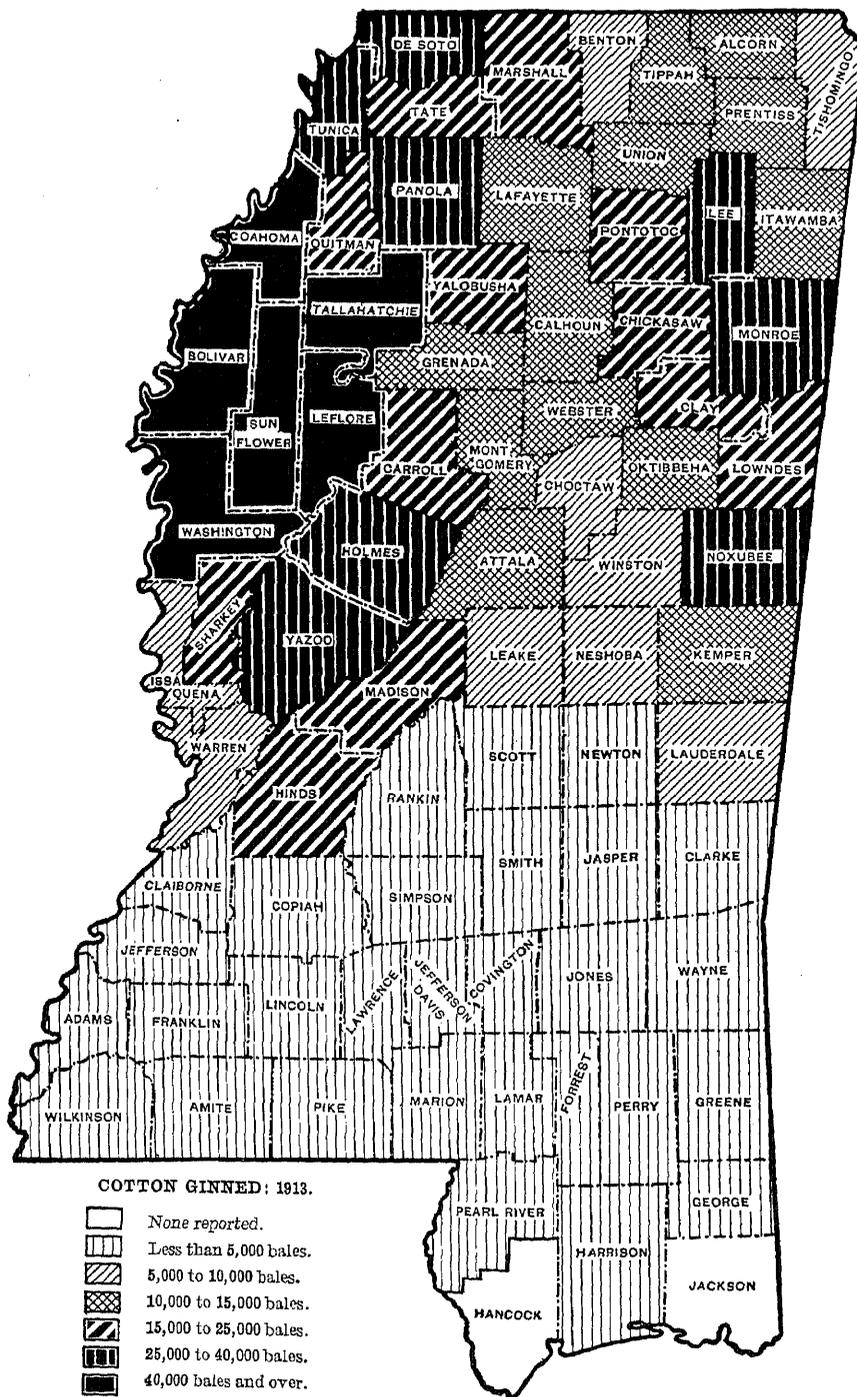
LOUISIANA.

[See table on page 39.]



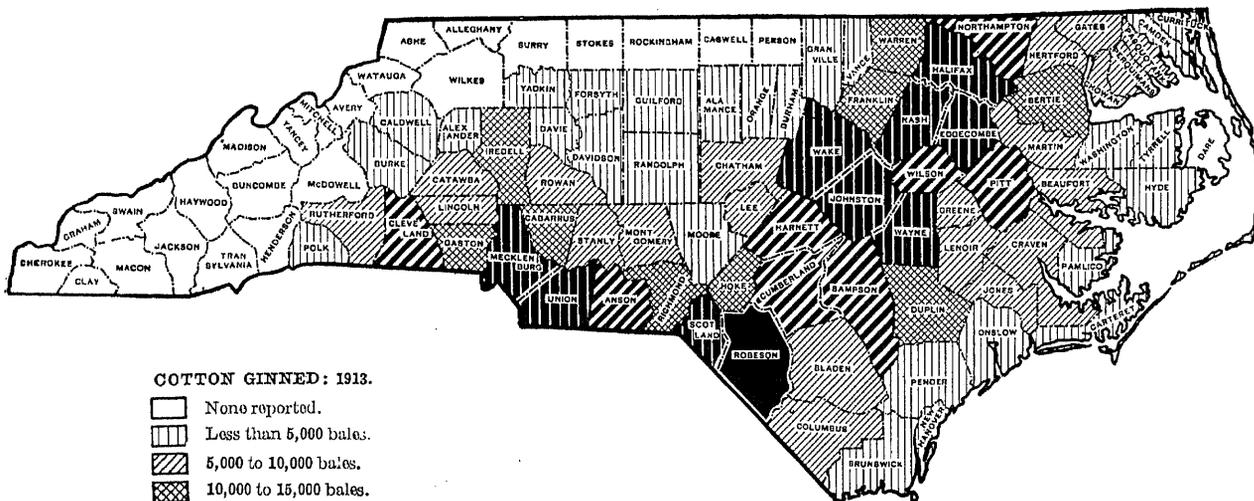
MISSISSIPPI.

[See table on page 40.]



NORTH CAROLINA.

[See table on page 41.]

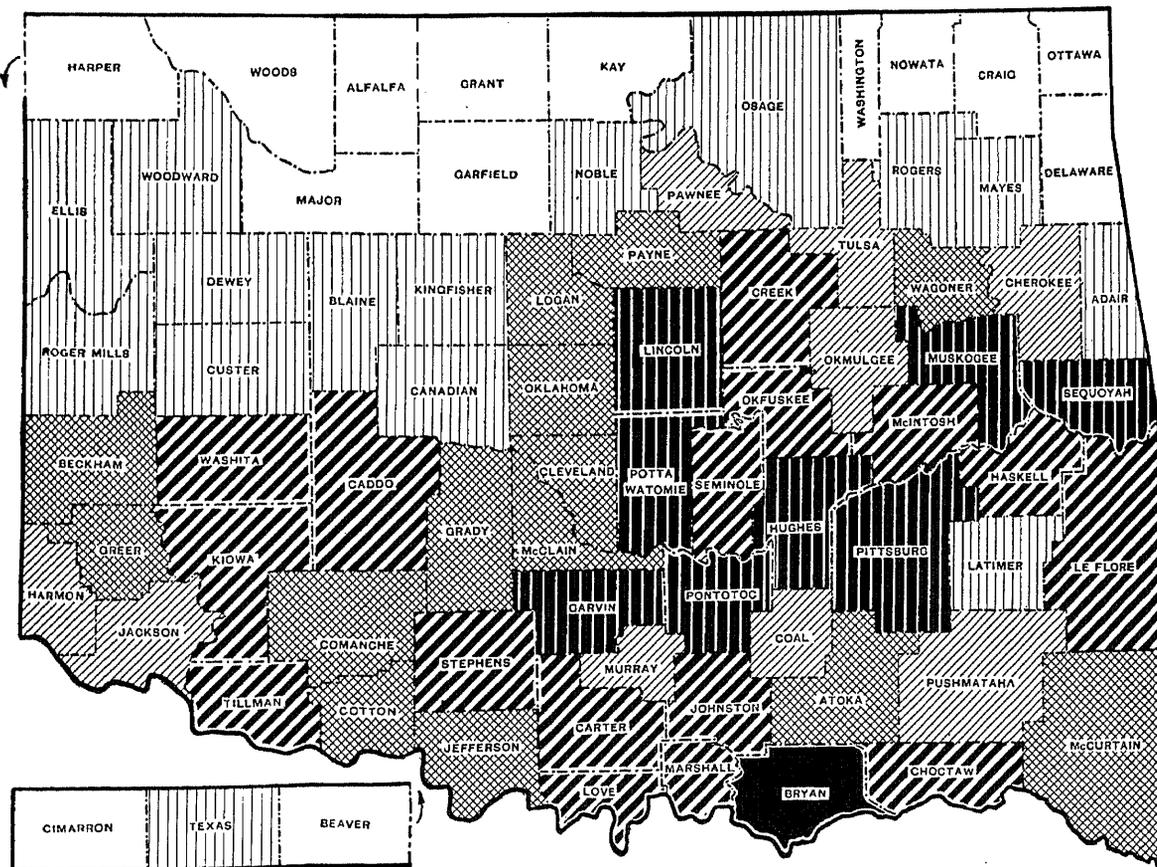


COTTON GINNED: 1913.

- None reported.
- Less than 5,000 bales.
- 5,000 to 10,000 bales.
- 10,000 to 15,000 bales.
- 15,000 to 25,000 bales.
- 25,000 to 40,000 bales.
- 40,000 bales and over.

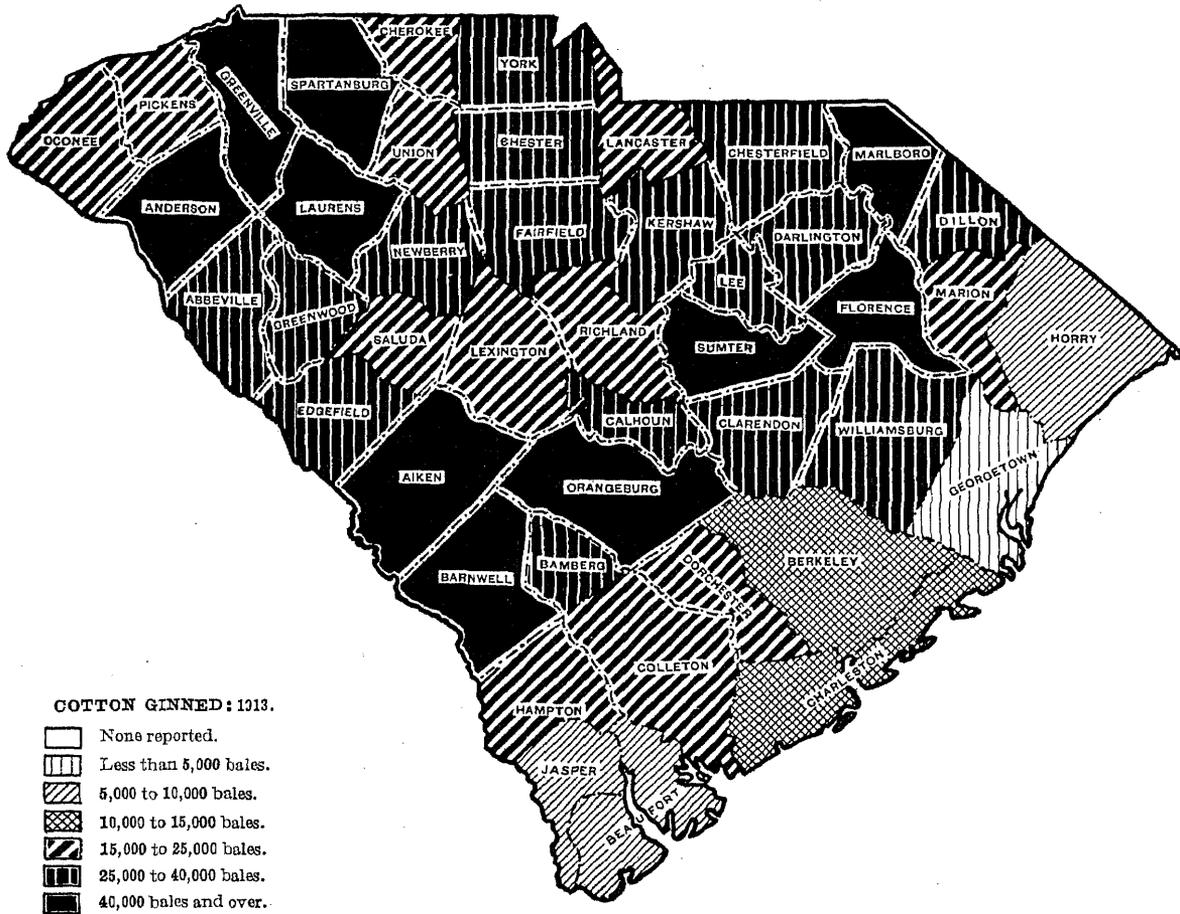
OKLAHOMA.

[See table on page 42.]



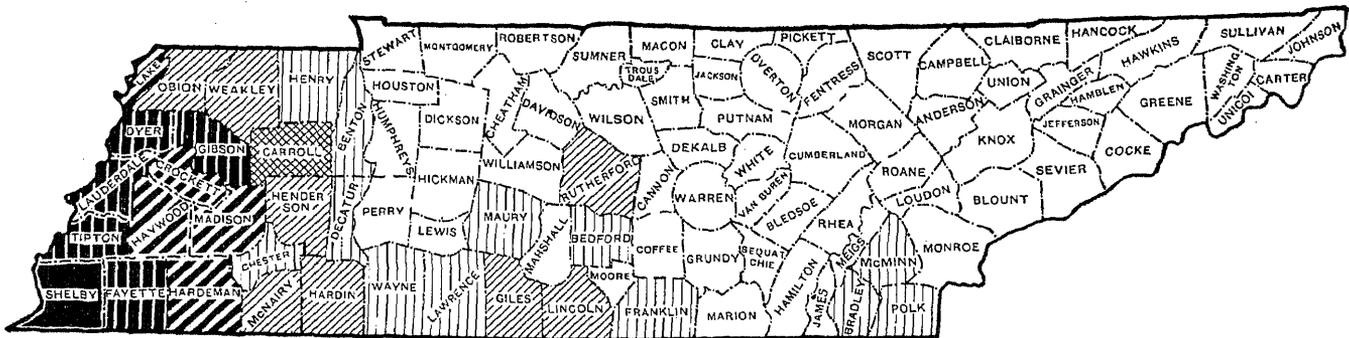
SOUTH CAROLINA.

[See table on page 43.]



TENNESSEE.

[See table on page 44.]



TEXAS.

[See table on page 44.]

