MONTHLY REVIEW

Of Financial, Agricultural, Trade and Industrial Conditions in the Sixth Federal Reserve District

FEDERAL RESERVE BANK OF ATLANTA

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NATIONAL SUMMARY OF BUSINESS CONDITIONS By Federal Reserve Board

Output of most of the important industries increased more than seasonally in February, and although factory employment advanced at a less rapid rate the volume of wage payments at factories also rose by more than the usual seasonal amount. The general level of commodity prices continued to decline.

Industrial production, as measured by the Board's index, Production which is adjusted to allow for seasonal variation, increased by 4 per cent in February from the low level prevailing in December and January. On the basis of the average for 1923-25 as 100 the volume of production in February was 85, compared with 82 for the two preceding months, and 107 for February of last year. At steel mills activity increased considerably, and the output of automobiles advanced by somewhat more than the usual seasonal amount. Output of shoe factories and textile mills increased substantially, while the output of coal continued to decline. During the first half of March activity at steel mills continued to increase. Value of building contracts awarded in February was slightly larger than in January, according to the F. W. Dodge Corporation. An increase in residential building was accompanied by a decrease in contracts for public works and utilities, while awards for factories and commercial buildings continued in small volume. In the first half of March there was an increase in the daily average of contracts awarded, as is usual at this season.

Factory Employment Factory employment increased slightly less and Payrolls than usual in February, while factory payrolls increased by more than the seasonal amount from the low level of January. In many industries the rate of increase

from the low level of January. In many industries the rate of increase in payrolls was about the same as in February of other recent years,

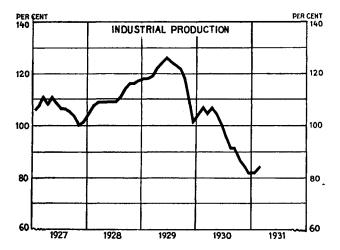
but in the automobile, shoe, woolen goods, and clothing industries, the rate of increase was larger than usual.

Distribution Daily average freight carloadings showed little change from January to February, while ordinarily there is an increase at this season. Sales by Department stores increased slightly.

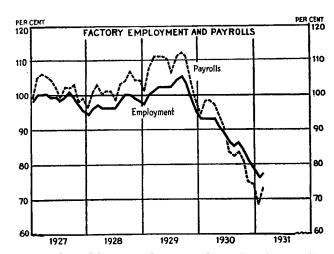
Wholesale Wholesale commodity prices declined further in February, and the Bureau of Labor Statistics' Index, at 75.5 per cent of the 1926 average, was about 18 per cent below the level of a year ago. Prices of many agricultural products decreased considerably, while the price of cotton advanced further. In the first half of March there were considerable increases in prices of silver, live stock, meats, and hides, and declines in the price of petroleum and cotton.

Bank Credit Loan and investments of member banks in leading cities changed relatively little between the end of January and the middle of March. Total loans on securities declined, notwithstanding the growth in brokers' loans in New York City, and All Other Loans showed considerable further liquidation, while the banks' investments continued to increase. Volume of reserve bank credit tended downward in February and showed little change between March 4 and March 18. Funds arising from gold imports in February were barely absorbed in meeting a seasonal demand for currency while in the early part of March there was an increase in member bank reserve balances.

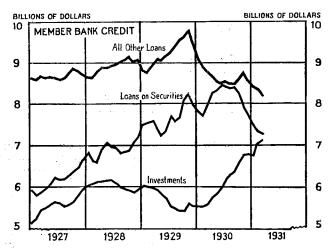
Money rates in the open market continued at low levels from the middle of February to the middle of March. Rates on commercial paper were reduced from a range of $2\frac{1}{2}-2\frac{3}{4}$ to a prevailing level of $2\frac{1}{2}$ per cent, while rates on 90-day bankers' acceptances remained at $1\frac{1}{2}$ per cent. Yields on high grade bonds continued to decline.



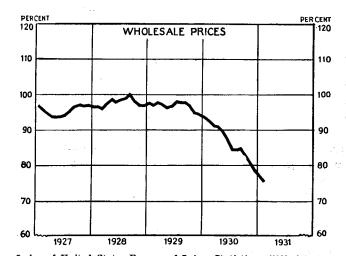
Index numbers of production of manufacturers and minerals combined adjusted for seasonal variations (1923-1925 average=100). Latest figure February 85.



Index numbers of factory employment and payrolls, without adjustment for seasonal variations (1923-25 average=100). Latest figures February Employment 77.3, payrolls 73.2.



Monthly averages of weekly figures for reporting banks in leading cities. Latest figures are averages of first two weeks in March.



Index of United States Bureau of Labor Statistics. (1926—100. base adopted by bureau). Latest figures February 75.5.

SIXTH DISTRICT SUMMARY

Notwithstanding the fact February was approximately 8 per cent shorter, in number of business days, than January, there were increases over January in retail trade, in building permits and construction contracts awarded, in production of cotton yarn and cloth in the sixth district, and in output of pig iron in Alabama.

Total sales in February by reporting department stores averaged 2.2 per cent greater than in January, but were 12.9 per cent less than in February 1930. February sales by 123 wholesale firms in eight lines of trade averaged 2.2 per cent less than in January and 27.7 per cent less than in February a year ago. Building statistics indicate a gain in construction activity over the low levels reached in December. Contracts awarded in the sixth district in February were more than double those in December, and were the largest since June, and permits issued at twenty cities of the district were 20 per cent greater than in December.

Total consumption of cotton by American mills declined 4.6 per cent, but because of the shorter month the daily average increased in February over January, and there were small increases in output by reporting cloth and yarn mills in this district. Production of bituminous coal in Alabama and Tennessee declined, but there was an increase of 13.4 per cent in February over January in the daily average production of pig iron in Alabama. Prices of both turpentine and rosin registered gains early in March, the last month of the naval stores year. Receipts were at a seasonally low level, but stocks continued large.

Reserve bank credit outstanding at this bank was less on March 4 than on any previous report date in six years. Discounts have declined further since March 4 but holdings of purchased bills and government securities have increased. Total loans of weekly reporting member banks on March 11 were substantially less than a year ago, and their borrowings from the Federal Reserve Bank were at a low point.

FINANCE

Reserve Bank
Credit

The volume of reserve bank credit outstanding at the
Federal Reserve Bank of Atlanta, represented by its
total holdings of bills and securities, declined to the
lowest level, on March 4, recorded for any previous Wednesday since
February 25, 1925. Total discounts on March 4 were also less than for
any report date in six years, and declined slightly during the week
ending March 11, but increased holdings of purchased bills and of United
States securities resulted in an increase in total bills and securities for
that week.

During the four weeks period ending March 11 discounts of this bank declined by more than $7\frac{1}{2}$ millions, and were nearly 10 millions smaller than a year ago. Holdings of purchased bills, however, increased from \$4,802,000 to \$8,089,000 but were still less than half the total at the same time last year, and holdings of United States securities increased

nearly $2\frac{1}{2}$ millions and were 1.4 millions greater than a year ago. Total holdings of bills and securities on March 11 were \$1,794,000 less than four weeks earlier, and \$17,169,000 less than a year ago.

Cash reserves increased more than 5.2 millions from February 11 to March 4, but declined more than 2 millions the following week, and were about 9 millions greater than a year ago. Small decreases are shown in deposits, and in note circulation, on March 11 compared with four weeks earlier and with the same report date last year. The ratio of total reserves to deposit and Federal Reserve note liabilities combined rose to 87.5 per cent on March 4, the highest point in about six years, and declined to 85.8 per cent on March 11.

Principal items in the weekly statement are shown comparatively in the table.

(000 Officted)								
Bills Discounted:	Mar. 11. 1931	Feb. 11, 1931	Mar. 12, 1930					
Secured by Govt. Obligations		\$ 505	\$ 2,192					
All Others	14,112 14,431	21,474 21,979	22,127 24,319					
Bills Bought in open market	8,089	4,802	16,779					
U. S. Securities	10, 186 32, 706	7,719 $34,500$	8,777 49,875					
Cash Reserves	165,071	161,947	156,064					
Member Banks Reserve Deposits Total Deposits		59,339 61,932	65,967 66,409					
F. R. Notes in actual circulation	130,641	130,701	132,017					
Reserve Ratio.	85.8	84.1	78.7					

Condition of Member Banks in Selected Cities Both loans and investments of weekly reporting member banks at selected cities of the sixth district declined somewhat between February 11 and March 11, and a decrease of 72.9 millions in loans,

compared with the corresponding report date a year ago, was only partly offset by an increase of 27.5 millions in investment holdings. Total volume of loans of these banks decreased each week except one from the beginning of 1931 to March 4, the decline amounting to nearly 21 millions of dollars, followed by an increase of less than 1.5 millions during the week ending March 11. Loans on securities declined to the lowest point for the year on March 4, but increased over 3.8 millions the following week, when they were 29.6 millions less than a year ago. All other loans, which include those for commercial, industrial and agricultural purposes, were 44.3 millions less on March 11 than they were a year ago, and were less than on any report date in a number of years. Holdings of United States securities on March 11 were greater by \$4,622,000 than four weeks earlier, and \$8,006,000 greater than a year ago, and holdings of other securities declined \$7,850,000 between February 11 and March 11, but were \$19,525,000 greater than a year ago.

There were increases in both demand and time deposits of these banks on March 11 compared with February 11, but decreases compared with the corresponding report date last year. Borrowings by these banks from the Federal Reserve Bank of Atlanta declined to the lowest total on March 11 for any Wednesday since April 16 last year.

Principal items in the weekly report are shown comparatively in the

	Mar. 11,	Feb. 11,	Mar. 12,
Loans:	1931	1931	1930
On Securities		\$132,379	\$164,499
All Others	283,728	288,974	328,043
Total Loans	418,630	421, 353	492,542
U. S. Securities	66.353	61,731	58,347
Other Stocks and Bonds	82,815	90,665	63,290
Total Investments	149, 168	152.396	121,637
Total Loans and Investments	567, 798	573,749	614,179
Time Deposits	225,883	220, 335	243,056
Demand Deposits		301,535	331, 188
Due to Banks	122,777	112,539	110, 221
Due from Banks	92.398	89,483	73, 145
Borrowings from F. R. Bank		9,336	11,756

Deposits of All There were further declines in the daily averages of demand and time deposits held by all member banks in the sixth district in January to the lowest levels in about five and one-half years. Daily average demand deposits were \$73,132,000 less in January this year than last, and the daily average of time deposits was \$35,795,000 less than in January 1930, and \$52,203,000 less than in May when they were at the highest level of the year. Changes over the past year are shown in the table.

	Demand	Time
1930:	Deposits	Deposits
January	\$570,622,000	\$433,737,000
February	574,809,000	443, 184, 000
March	569,662,000	442, 987, 000
April		439, 980, 000
May		450, 145, 000
June		447, 126, 000
July	513, 185, 000	440, 316, 000
August	503,651,000	439,054,000
September	510.694.000	441.347.000
October	511,050,000	437,617,000
November	512, 420, 000	434,502,000
December		413, 822, 000
1931:	,	,,
January	497, 490, 000	397,942,000

Savings There was a further slight decline in savings deposits at Deposits the end of February compared with the month before, reported by 64 banks located throughout the sixth district, and an average decrease of 11.2 per cent compared with February last year. Totals for Atlanta and for cities in which branches of the Federal Reserve Bank of Atlanta are located are shown in the table, and reports from banks located elsewhere are grouped under "Other Cities."

Percentage change Feb. 1931 Compared with:

		"	000 Omitted)		Pare	with.
	No. of Banks	Feb. 1931	Jan. 1931	Feb. 1930	Jan. 1931	Feb. 1930
Atlanta	- 4	\$ 39,376	\$ 39,098	\$ 41,222	+0.7	- 4.5
Birmingham.	_ 3	19.926	21,009	25.023	-5.2	20.4
Jacksonville	4	16,039	16, 192	19,949	-0.9	-19.6
Nashville	. 5	25,841	25, 993	30,707	-0.6	-15.8
New Orleans.	. 6	50,760	50, 758	48, 326	+0.0	+5.0
Other Cities		81.670	82,717	97,829	<u>-1.3</u>	-16.5
Total	64	233, 612	235, 767	263, 056	0.9	-11.2

Debits to Individual Accounts Debits to individual accounts at 26 reporting clearing house centers of the sixth district, reflecting the volume of general business transactions settled by check, declined 16.2 per cent in February compared with Jan-

uary, and were 16.4 per cent less than in February last year. With the exception of August last year, total debits in February were the smallest for any month since August 1924.

Bank debits in this district have always decreased from January to February, and the decline of 16.2 per cent compares with decrease of 15.8 per cent, and 15.2 per cent, at the same time of 1930 and 1929, respectively, and with an average decrease at this period of the past ten years of approximately 14.6 per cent. Monthly totals shown in the table are derived from weekly reports by pro-rating figures for those weeks which do not fall entirely within a single calendar month.

	(000 Omitted)		
Alabama:		Jan. 1931	Feb. 1930
Alabama: Birmingham	\$ 91,510	\$ 130,270	\$ 115,679
Dothan	2,048	2,430	2,256
Mobile		38,775	35,665
Montgomery	15,975	22,329	24,923
Florida:			
Jacksonville		69, 395	79,819
Miami		24,787	45,423
Pensacola		6,031	6,349
for FTampaR	27,167	29,495	35,730

(000 Omit	ted)		
Georgia:	Feb. 1931.	Jan. 1931.	Feb. 1930.
Albany	2,819	3,446	3,574
Atlanta		158,060	158,580
Augusta Brunswick	17,279	20,636	20,781
Columbus	$2,134 \\ 10.018$	2,480 12,939	3, 389 11, 690
Elberton	672	755	885
Macon	12,870	19,495	14,820
Newnan	1,447	1,960	1,757
Savannah	27,470	37,821	33,292
Valdosta	2,946	3,858	3,765
Louisiana:			
New Orleans	312,403	334,188	313,602
Mississippi:			
Hattiesburg	5.969	6,263	6,425
Jackson	21,842	27,713	27, 262
Meridian	6,701	8, 159	14,213
Vicksburg	5,359	6,023	6,704
Tennessee:			
Chattanooga	35, 451	50,122	45.713
Knoxville	22,204	27,289	31,894
Nashville	68,543	81,290	85,034
Total 26 Cities	\$943,568	\$1,126,009	\$1,129,224

AGRICULTURE

During the first three months of 1931 weather conditions have been generally favorable for outdoor work in preparation for the new crop season, and farm work is more advanced than usual. Labor is in plentiful supply. Estimates by the United States Department of Agriculture indicate that the movement from the farms to cities was smaller in 1930 than it had been in a number of years, and for the first time in ten years the estimated farm population of the United States on January 1 showed an increase over the previous year. The demand for farm labor on March 1 was estimated to be below normal, and the supply above normal in every state except South Carolina, and for the country as a whole the supply exceeded demand by 16 per cent. Estimates for the six states of this district are shown in the table.

	Farm Labor		Farm Labor		Supply ex-	
	Supply		Demand		pressed as	
	per cent		per cent		per cent	
	of normal		of normal		of demand	
Alabama Florida Georgia Louisiana Mississipi Tennessee	1931 114 104 106 111 103 105	1930 100 105 95 96 90 97	1931 65 80 71 68 65 70	1930 86 88 88 87 90 88	1931 175 130 149 163 158 150	1930 116 119 108 110 100 110

farm Stocks

Stimates by the United States Department of Agriculture indicate that on March 1 this year there was less corn, wheat and rye and more oats and barley on the farms in this district than at the same time a year ago. The estimated stocks of corn on farms in the United States on March 1 of 709,247,000 bushels are stated to be the lowest for that date of any year since 1902. Stocks of wheat, however, on March 1 are estimated at 160,282,000 bushels against 129,754,000 bushels a year ago, and stocks of oats at 464,329,000 bushels compared with 396,310,000 bushels a year ago. Estimated stocks of grain on farms in this district March 1 are shown in the table, comparatively with figures for that date last year.

(In thousands of bushels)

	COIL		Oats		
	1931	1930	1931	1930	
Alabama	11,507	17,608	76	116	
FloridaGeorgia	2,775 20,927	2,785 $24,722$	14 745	668	
Louisiana Mississippi	2,806 6,167	7,807 15,885	25 24	60 85	
Tennessee	13,564	35,328	608	496	
	Wh			ye	
	1931	1930	1931	1930	
Georgia Tennessee	41 460	60 510	8 16	7 23	

Fertilizer Statistics of fertilizer tag sales, compiled by the National Fertilizer Association indicate that tag sales in February this year in the six states of this district were 45 per cent smaller than in February last year, and for the seven months, August through February, there has been an average decrease of 37.8 per cent compared with that part of the preceding cotton season. Comparisons by states are shown in the table.

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	(Short Febra 1931		August-February 1930-31 1929-30		
Alabama	44,850	118,550	76,950	175,750	
Florida Georgia Louisiana	59,731 139,933 21,600	65, 498 266, 502 45, 686	271,178 177,787 53,963	308, 037 336, 278 100, 833	
Mississippi Tennessee	38, 116 14, 750	63,527 21,900	42,791 38,042	99,134 41,523	
Total	318,980	581,663	660,711	1,061,555	

Sugar Cane
and Sugar

Reports in the trade press indicate that weather conditions in the Louisiana cane belt have been favorable during the past three months, and that the total acreage

in sugar cane this year, including second year stubble, is expected to be slightly larger than last year.

SUGAR MO	VEMENT	-Pounds		
Receipts:	Feb. 1931	Jan. 1		Feb. 1930
New Orleans				79,387,573
Savannah	29, 232, 584	11,352	424	33, 174, 601
Meltings:	00 550 070	45 003	0.07	WA 107 145
New Orleans Savannah				76,187,145 22,348,793
Stocks:	10,020,207	31,200,	011	aa, 940, 180
New Orleans	45,913,035	115, 230,	534	125, 897, 539
Savannah	41, 390, 822			56, 423, 970
REFINED	SUGAR (Pounds)		,,
Shipments:				
New Orleans	99.577.203	76.445.	401	73, 986, 113
Savannah				22, 124, 119
Stocks:				
New Orleans				67,008,093
Savannah	19, 188, 279	17,342,	833	6, 343, 457
RICE MOVI	EMENT-N	ew Orleans		
Rough Rice (Sacks):		Feb. 1931 J	an. 1931	Feb. 1930
Receipts		52,716	28, 223	38,878
Shipments			9,768	35,248
Stocks		19,426	26,206	25, 379
Clean Rice (Pockets): Receipts		104 000	F1 410	100 000
Receipts		104,023	51,418	130,980
ShipmentsStocks		74,629 160,540	82,116 124,673	81,050 139,275
		,		108,210
RICE MILLERS' A	SSOCIATI (Barrels)	ON STATIS	STICS	

		August 1 to
Distribution of Milled Rice:	February	February 2
Season 1930-31	932,993	6,851,116
Season 1929–30	1,005,421	6,960,023
Stocks of Rough and Milled Rice:		
March 1, 1931		
February 1, 1931	1,793,078	
March 1, 1930	2,360,083	

TRADE

Retail Retail distribution of merchandise in the sixth district increased slightly in February over the preceding month, but the index number of department store sales is lower than for February of any year since 1922. Stocks increased over those for January, but were smaller than a year ago, and the rate of turnover averaged the same as for February last year.

Department store sales in February averaged 2.2 per cent greater than in January, although the month had two less business days, and were 12.9 per cent less than in February 1930. Cumulative sales for the first two months of the year average 10.3 per cent less than in that period last year. These comparisons are of sales figures in actual dollars, and take no account of the difference in prices. Stocks of merchandise averaged 5.4 per cent larger at the close of February than a month earlier, but were 15.4 per cent smaller than a year ago. Accounts receivable at the end of February were 5.2 per cent less than a month earlier and 4.9 per cent smaller than for February 1930, and collections decreased 22.2 per cent from those in January which followed the holiday season, and were 12.2 per cent less than in February last year. The ratio of collections during February to accounts receivable and due at the beginning of the month for 33 firms was 28.8 per cent; for January this ratio was 31.1 per cent, and for February last year 30.5 per cent. The ratio of collections during February against regular accounts, for 33 firms was 31.1 per cent, and the ratio of collections against installment accounts, for 12 firms, was 15.3 per cent. Detailed comparisons of reported figures are shown in the table.

RETAIL TRADE IN THE SIXTH DISTRICT DURING FEBRUARY 1931									
BASED ON CONFIDENTIAL REPORTS FROM 41 DEPARTMENT STORES									
		parison of Net		Comparison	Rat	Rate of Stock Turnover			
	Feb. 1931 with Feb. 1930	Feb. 1931 with Jan. 1931	Jan. 1 to Feb. 28, 1931, with same period in 1930	Feb. 28, 1931, with Feb. 28, 1930	Feb. 28, 1931, with Jan. 31, 1931	Feb. 1930	Feb. 1931	Jan. 1 to 1930	Feb. 28, 1931
Atlanta (4) Birmingham (4) Ohattanooga (5) Nashville (4) New Orleans (5) Other Oities (19) DISTRIOT (41) Note: The rate of stock turno	7.2 19.3 22.2 11.8 7.6 20.8 12.9 ver is the ratio or	6.2 +13.1 -22.5 + 7.0 +11.4 3.2 + 2.2 ! sales during gi		15.9 16.2 16.2 11.3 15.6 15.6 15.4 ge stocks on har	+4.9 +1.8 -9.9 +7.1 +9.0 +6.5 +5.4	.26 .19 .16 .20 .17 .18	.31 .18 .14 .20 .17 .18 .20	.57 .35 .34 .38 .32 .33 .38	.65 .35 .32 .38 .36 .37

August 1 to

February

ebruary 28 7,767,382

Parcentege

There was a further small decline in aggregate sales re-Wholesale Trade ported by 123 wholesale firms in the sixth district in February, compared with the month before, and the index number of wholesale trade for February was lower than for any other month in the eleven years of the series. The decrease from January to February was, however, smaller than the average decrease at this period of past years. Increases reported in sales of dry goods, electrical supplies, stationery and shoes were more than offset by decreases in sales of groceries, hardware, furniture and rugs. All reporting lines show declines compared with February a year ago. These comparisons are of sales in dollar figures, and make no allowance for the decline in prices. Cumulative sales for the first two months of the year have averaged 28.8 per cent less than in that period last year, as indicated in these figures:

1000	ori name o
Comp	arison
Groceries.	25.5
Dry Goods.	-34.7
Hardware	
Furniture	
Electrical Supplies	
Shoes	
Stationery	
Drugs	-19 6
2/10/3	
Total	28 8
± V VQ1	20.0

WHOLESALE TRADE IN FEBRUARY 1931 SIXTH FEDERAL RESERVE DISTRICT (a)

		Percentage change: Feb. 1931 compared with:		
Line, item and area:	No. of firms	Jan. 1931	Feb. 1930	
All Lines Combined:				
Sales Stocks on hand Accounts receivable Oollections	52	- 2.2 - 0.7 - 2.3 -13.8	-27.7 -14.4 -13.1 -27.2	
Groceries:				
Sales	4 4 5 3 12 3	7.0 9.7 8.2 11.3 +-18.9 9.3 1.1 6.1 5.6	-26.3 -35.9 -23.7 -20.4 -30.8 -27.3 -18.9 -15.1 -24.6	
Dry Goods:				
Sales Atlanta Nashville Other Ottles Stocks on hand Accounts receivable Oollections	3 3 16 10 11	$\begin{array}{c} +10.9 \\ +6.5 \\ +24.6 \\ +8.1 \\ -2.2 \\ -4.7 \\ -25.8 \end{array}$	-33.9 -41.9 -44.3 -29.0 -25.9 - 5.8 -27.7	

Receipts of Rough Rice:

Season 1929-30.....

antaga changa

	Feb. 1931 compared with:			
No. of firms	Jan. 1931	Feb. 1930		
29	9.6	31.5		
	4.9	17.3		
		—27.5		
4	— 3.0	-38.1		
		41.4		
14		-24.1		
9		-10.8		
16		- 8.4		
18	17.2	-31.2		
. 12	22.8	-26.3		
- 5	15.9	-39.8		
	+33.9	-25.6		
· ·		X		
		27.6		
	<u>– 1.8</u>	-20.1		
-				
17	+ 3 0	29.6		
		-38.0		
5		-25.4		
· ŏ		-25.5		
4		+ 1.5		
· 5		-31.4		
š		-34.3		
٥	5.0	-16.8		
9		-11.0		
· ‡	T 0.0	-18.5		
0	- 0.1	10.0		
•	1 50 0	97 0		
3	+58.8	-37.0		
4	1.40.0	+32.5		
		+32.3		
rts from 123 f	irms.			
	3 3 4 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Feb. 1931 com No. of firms Jan. 1931		

Insurance
Insurance
Insurance
In the sales of new, paid-for, ordinary life insurance in the six states of this district in February, compared with January and a decrease of 31.3 per cent compared with February last year, according to statistics compiled by the Life Insurance Sales Research Bureau. Comparisons by states are indicated in the following figures.

I	Feb. 1931	Jan. 1931	Feb. 1930
Alabama Florida Georgia Louisiana	3,667 6,542	\$ 3,756 3,908 6,446 4,760	\$ 6,050 5,235 8,495 5,815
Mississippi Tennessee	1,934	1,741 7,408	3,350 9,839
Total	\$26,650	\$28,019	\$38,784

Failures
Statistics compiled by R. G. Dun & Co. indicate that in February there were 2,563 business failures in the United States, compared with 3,316 in January and with 2,262 in February a year ago, and liabilities of these firms amounted in February to \$59,607,612, compared with \$94,608,212 in January, and \$51,326,325 in February 1930.

In the sixth district there were 183 failures in February, 245 in January, and 85 in February last year, and lial ilities for February amounted to \$3,089,135, a decrease of 34.1 per cent compared with the total of \$4,686,225 for January, and 81.5 per cent greater than the total of \$1,702,112 for February 1930.

GRAIN EXPORTS-New Orleans

	Feb. 1931	Feb. 1930	July 1 to 1930-31	Feb. 28, 1929–30
Wheat, bu	6,467 10,027	217,150 24,698 66,046	5,425,211 70,680 78,969	6,917,166 426,903 478,301 3,336 26,393
Total, bu	81,649	309,466	5,574,860	7,852,099

INDUSTRY

Building and Construction

There was a further small increase in the value of building permits reported from twenty cities in the sixth district in February over January, and building and construction contracts awarded in the district as a whole also increased.

Building permits at the twenty reporting cities in the sixth district gained nearly 15 per cent in January over the low point in December, and registered a further increase of 5 per cent in February over January, although this total continued substantially less than for the corresponding month a year ago. Twelve cities reported gains over January,

but only four show increases over February 1930. For the first two months of 1931 building permits have been 44.6 per cent less than for those months a year ago.

Comparisons for the month are shown in the table, and index numbers appear on page 8 of this Review.

		nber uary		alue ruary	Percentage change
City	1931	1930	1931	1930	in value
Alabama:					
Anniston	11	27	\$ 15,700	\$ 65,000	
Birmingham	177	373	176,067	315, 196	— 44.1
Mobile	36	73	34,250	107, 250	
Montgomery	75	140	67,670	92,309	— 26.7
Florida:					
Jacksonville	262	320	124,570	212,366	41.3
Miami	188	314	118,803	182,250	34.8
Orlando	42	41	27,875	29,085	- 4.2
Pensacola	13	92	135, 345	35,745	+278.6
Tampa	191	172	116,022	48, 315	+140.1
*Lakeland	2	8	1,100	8,550	-87.1
*Miami Beach		25		146,450	
Georgia:					
Atlanta	292	286	282,971	694,723	59.3
Augusta	48	86	34,680	58,976	- 41.2
Columbus	18	29	12,865	14,890	- 13.6
Macon	0	205	0	38,700	
Savannah	23	12	32,840	19,010	+72.8
Louisiana:					
New Orleans	107	92	291,615	186,428	+ 56.4
_ Alexandria	48	66	17,254	46,055	 62.5
Tennessee:					
Chattanoga	221	294	129,300	287,010	
Johnson Oity	3	9	1,050	18,650	94.4
Knoxville	43	66	44,004	214, 288	- 79 .5
Nashville	124	225	253, 240	686,322	 63.1
Total 20 Cities	1,922	2,922	1,916,121	3,352,568	- 42.8
Index No	•	-,	17.0	29.8	12.0
437 1 1 2 2 2 4 1 1 A					

*Not included in totals or index numbers.

Total contract awards in the sixth district, according to statistics compiled by the F. W. Dodge Corporation and divided into district figures by the Federal Reserve Board's Division of Research and Statistics, amounted in February to \$20,354,273, the largest total for any month since June last year. This was a gain of 14 per cent over January, and slightly more than double the low figure for December, and was 4.2 per cent greater than for February 1930. In February 10.4 per cent of the total was for residential building, in January 9 per cent, and in February last year, 15.3 per cent. Figures by states show gains over January in five of the states of this district, but a decline in Louisiana, and there were increases over February 1930 in Alabama, Louisiana and Mississippi. Totals by states are shown comparatively in the table, parts of the Louisiana and Mississippi figures apply to other Federal reserve districts.

	Feb. 1931	Jan. 1931	Ohange	e Feb. 1930	Change
Alabama		\$ 2,259,500 1,020,900 2,506,500 14,403,700 694,400 1,008,800	$ \begin{array}{r} + 28.3 \\ + 123.6 \\ + 60.1 \\ - 27.8 \\ + 174.7 \\ + 148.3 \end{array} $	\$1,740,600 2,395,600 6,626,300 6,285,000 1,266,000 3,496,200	+66.5 - 4.7 -39.4 +65.5 +50.7 -28.3

The cumulative total for the first two months of 1931 shows a decrease of 6.7 per cent compared with that period a year ago because of the decrease shown in January compared with January 1930.

Total contracts awarded during February in the 37 states east of the Rocky Mountains amounted to \$235,405,100, compared with \$227, 956,400 in January, and with \$317,053,000 in February last year. Of the February total, residential building accounted for \$77,917,800, non-residential building \$78,844,500, and public works and utilities \$78,642,800. Cumulative totals for these 37 eastern states for the first two months of 1931 amount to \$463,361,500, compared with \$641,028,200 for the same period a year ago.

Lumber Reports which have appeared in recent issues of trade papers seem to indicate some slight improvement during February in the Southern Pine market. Production continues on a plane lower than the volume of orders being booked, resulting in a decline in manufacturers' stocks. Stocks of retailers are reported to be small, and while there has been a small amount of buying for replenishment, nothing in the nature of a spring buying movement has so far made its appearance.

In the table are shown for recent weeks the production, orders and unfilled orders reported to the Southern Pine Association by mills which reported for the same weeks a year ago. For this period orders averaged 24.5 per cent, production 33.3 per cent, and unfilled orders 37.1 per cent less than a year ago. Orders for this five weeks period averaged 11 per cent greater than output, and unfilled orders averaged about three and one-sixth times current weekly production.

(In thousands of feet)

Week Ended:		mb Mil	er Ord Is 1 9 31	lers 1930	Prod 1931	uction 1930	Unfilled 1931	Orders 1930
February February February	7 14 21 28	131 127 114	42,966 43,470 36,435	58, 138	37,565 36,104 33,365	56,985 57,385 49,242	118,881	180,679 190,997 187,416 166,184 188,858

Consumption of Cotton

Because of the shorter month, the consumption of cotton by American mills in February, according to statistics compiled by the United States Census Bureau,

declined 4.6 per cent compared with January. February consumption was 12.3 per cent smaller than in February last year. Stocks of cotton at the end of February in the hands of consuming establishments declined 4.1 per cent compared with those a month earlier, and were 14.3 per cent smaller than a year ago, and stocks in public storage and at compresses were 7.9 per cent less than for January but 50.6 per cent greater than for February 1930. Exports in February declined 18.7 per cent compared with January, but were 7.7 per cent greater than in February 1930. The number of cotton spindles active during February was 151,950 greater than the number active in January, but smaller by 3,156,754 than for February a year ago.

Cumulative totals for the seven months of the present cotton season, August through February, indicate total exports amounting to 5,004, 223 bales, a decrease of 5.5 per cent compared with exports during that part of the previous season, and consumption during this seven months period has amounted to 2,899,942 bales, smaller by 23.9 per cent than consumption during that period of last season. Detailed comparison of figures compiled by the Census Bureau are shown in the table.

UNITED S	TATES (Bale	es)				
Cotton Consumed: Lint	Feb. 1931	Jan. 1931	Feb. 1930			
Lint	433.510	454,188	494, 396			
Linters	53, 087	49.346	61,108			
		10,010	02,200			
Stocks in Consuming Establishmer		1 410 455	1 000 040			
Lint	1,047,709	1,613,475	1,806,040			
Linters	274,372	264,869	223,715			
Stocks in Public Storage and at Co	mpresses:					
Lint	7,314,450	7, 939, 454	4,858,243			
Linters	91,569	82,672	105,912			
Exports	432,996	532, 821	402,074			
Imports	11.165	11.299	23,643			
Imports Active Spindles	25, 763, 408	25,611,458	28,920,162			
COTTON GROWING STATES—Bales						
OOLION GIN						
	Feb. 1931	Jan. 1931	Feb. 1930			
Cotton Consumed	341,216	359,879	381, 3 65			
Stocks in Consuming Establish-						
ments	1, 152, 820		1,366,016			
Stocks in Public Storage and at						
Compresses	6,913,447		4,620,813			
Compresses	17,021,102		17,858,498			
	tates—Bales					
Cotton Consumed	92, 294	94,309	113,031			
Stocks in Consuming Establish-	<i>56, 65</i> 1	24,000	110,001			
	394.939		440,024			
ments	094, 909		440,064			
Stocks in Public Storage and at	401 000		02# 420			
Compresses	401,003		237, 430			
Active Spindles (Number)	8,742,306		11,061,664			

Cotton Notwithstanding the smaller number of working days

Manufacturing in February, figures reported to the Federal Reserve

Bank of Atlanta by cotton mills in the sixth district

show gains over January in production, shipments, order booked, and unfilled orders. Stocks of both cloth and yarn mills declined from January to February, and stocks of cloth mills were smaller than a year ago, but those of yarn mills were larger. The number of employees declined slightly over the month, and continued smaller than a year ago.

Percentage change in

	Mannet	Len. 1301 com	pareu with.
Cotton Cloth:	of Mills	Jan. 1931	Feb. 1930
Production	14	+ 0.2	12.8
Shipments	14	+ 9.1	+ 0.6
Orders booked	9	+ 2.6	-40.0
Unfilled orders	13	$\begin{array}{ccc} + & 2.6 \\ + & 8.2 \end{array}$	11.9
Stocks on hand	11	- 7.6	13.1
Number on payroll	14	0.01	-10.7
Cotton Yarn:			
Production	8	+ 2.2	-18.7
Shipments	8	+ 8.2	-13.7
Orders booked	4	+112.0	+10.0
Digitized for Unfilled orders Stocks on hand	6	+ 10.6	+16.9
Stocks on hand	6	- 4.4	+35.7
http://fraser. Ntombereonopayroll	6	- 1.1	- 9.1
Federal Reserve Bank of St. Louis			

HOSIERY STATISTICS FOR 44 IDENTICAL ESTABLISHMENTS SIXTH FEDERAL RESERVE DISTRICT

	Feb. 1931	Jan. 1931	Change
Production————————————————————————————————————	814,297 1,530,305 834,260 26,324	731,887 718,192 1,546,071 811,485 32,727 731,146	$\begin{array}{c} +7.3 \\ +13.4 \\ -1.0 \\ +2.8 \\ -19.6 \\ -0.9 \end{array}$

Products
Seed received during February this year at mills in the sixth district, and in the amount crushed by them, compared with February a year ago, and in their production of crude oil, cake and meal, hulls and linters. Cumulative totals for the seven months of the cotton season, however, show increases over that part of the previous season for all of these items excepting production of linters, and while stocks of cotton seed at the mills at the end of February were 39 per cent smaller than a year ago, stocks of cottonseed products were larger than at that time.

For the country as a whole, decreases are shown for the season through February in the amount of cotton seed received at mills, and the amount on hand at the close of February, in production of crude oil, and of linters, and in stocks of crude oil. Production and stocks of cake and meal, and of hulls, and stocks of linters, were greater than for the corresponding time last season. Combined totals for Georgia, Alabama, Louisiana and Mississippi are shown comparatively in the first two columns of the table, and totals for the country as a whole are shown in the last two columns.

COTTON SEED AND COTTON SEED PRODUCTS

28. 9-30
9-30
584,459 099,091 525,517
911,992 818,955 129,833 844,942
565,007 206,685 96,795 269,191
1

Power Power Total production of electric power by public utility power plants in the six states of this district, according to statistics compiled by the United States Geological Survey, increased

0.8 per cent in January over December, but was 2.6 per cent smaller than in January 1930. Production by those plants using water power increased 0.4 per cent over December, but was 5.3 per cent less than a year ago, while output by those plants using fuels gained 1.7 per cent over December and was 2.2 per cent greater than in January 1931. Consumption of coal and fuel oil in the production of electric power was 19.8 per cent, and 4.5 per cent, respectively, smaller than in December, and 30.0 per cent, and 5.6 per cent, respectively, less than in January a year ago, but consumption of natural gas increased 2.0 per cent over December and was 6.9 per cent greater than in January 1930. Comparative totals for the six states of this district are shown in the table.

Total Production of Electric	Jan. 1931	Dec. 1930	Jan. 1930
Power: 000 k. w. hours	485, 488 308, 132 177, 356	481,524 307,051 174,473	498,671 325,216 173,455
Fuels Consumed in Production of			
Electric Power: Coal—tons Fuel Oil—bbls Natural Gas—000 cu. f t	206, 219	19,438 216,024 1,718,442	22,225 218,509 1,640,795
Note: December figures revised since	last report		

Bituminous Total production of bituminous coal in the United Coal Mining

States during Feb.uary, according to statistics compiled by the United States Bureau of Mines, declined 18.5 per cent compared with January, but because of the shorter month, the average daily output was 10.3 per cent smaller, and both total and daily average production were 20.6 per cent less than in February 1930. Following are detailed figures shown comparatively:

	Total Production (tons)	Number of working days	Average per working day (tons)	
February 1931	31,408,000	23.9	1,314,000	
January 1931	- 38,542,000	26.3	1,465,000	
February 1930	- 39,555,000	23.9	1,655,000	

Production figures for recent weeks, for the country as a whole and for Alabama, continue below those for corresponding weeks a year ago, but in Tennessee output during the last week of February was larger than during that week of 1930. For the four weeks ending in February, however, Alabama output averaged about 7 per cent less than in January and 23 per cent smaller than a year ago, and in Tennessee about 13 per cent less than in January and 11 per cent less than in February 1930. February 22 was observed as a holiday in some fields. Weekly comparisons are shown in the table.

	(in thousands of tons) United States Al			ama	Tennessee	
Week Ending:	1931	1930	1931	1930	1931	1930
February 7	7,833	10,935	262	372	94	129
February 14	8,215	10, 224	265	357	101	123
February 21 February 28	7,905 7,455	9,515 8,179	260 261	336 294	101 94	106 79
March 7	7,684	8,565				

Cumulative production during the present coal year to March 7, approximately 287 working days continues less than for corresponding periods of other recent years as shown by these figures:

1930-31	414.158.000
1929-30	491, 498, 000
1928-29	
1927-28	446,761,000
1926-27	551,874,000

Production

Statistics compiled and published by the Iron Age indicate that production of pig iron in Alabama increased in February over January, notwithstanding the smaller number of days, and was the largest since September. For the country as a whole the daily average production increased, but because of the shorter month, total output declined slightly compared with January.

Total production of pig iron in the United States during January declined 0.4 per cent, but the daily average output increased 10.2 per cent, over January, and both were 39.9 per cent smaller than for February last year. The number of furnaces active on March 1 was larger by 6 than a month earlier, but 71 smaller than at that time a year ago.

Alabama production of pig iron increased 2.4 per cent, and the daily average output increased 13.4 per cent, over January, but both were 28.7 per cent smaller than for February last year. While the increase in total output over January is small, available figures back through the year 1921 indicate that this is the only instance in which production in Alabama has increased from January to February. There was a gain of one in the number of furnaces active, over a month ago, but a decrease of six compared with the number active a year ago. Press reports indicate that the pig iron market in the Birmingham district continues quiet, with no indication of early change. Quotations concontinue around \$13. New tonnage is mostly in small lots for early requirements. March shipments of merchant producers are reported to be at a better rate than those of February, and exceed production. Little interest is indicated in second quarter iron. Production figures

are shown comparatively in the table, and index numbers appear on page 8 of this Review.

United States:	Feb. 1931	Jan. 1931	Feb. 1930	
Production—tons Average per day, tons *Active furnaces	60,950	1,714,266 55,299 102	2,838,920 101,390 179	
Alabama:	152 000	150,251	215,999	
Production—tons Average per day—tons* *Active furnaces	153,900 5,496 11	4, 847 10	7,714 17	

Unfilled Orders Following four consecutive increases, unfilled U. S. Steel Corp'n. orders of the United States Steel Corporation, reported in the press, declined 167,157 tons in

February compared with January, but was still larger than for other months since July. The total at the end of February was 3,965,194 tons, and compares with 4,132,351 tons for January, and with 4,479,748 tons for February a year ago.

Naval There was a further seasonal decline in receipts of both turpen-Stores tine and rosin at the three principal naval stores markets of the district in February, and stocks of turpentine were 14.8 per cent, and stocks of rosin 8.8 per cent, smaller than a month earlier. Compared with figures for February of other years, receipts of turpentine this February were the largest for that month since 1925, and receipts of cosins were smaller than in February of other recent years excepting 1927 and 1921. February stocks of turpentine were larger than at the same time of most other recent years, except 1928 and 1929, and stocks of rosin were larger than for that month since 1921. Following the passage of legislation by Congress before adjournment, which classifies turpentine and rosin as farm products and eligible for loans through the Federal Farm Board, the price of turpentine gained 61 cents the first week in March, and prices of the different grades of rosins also increased. The gains were maintained during the second week of March, the early part of which according to press reports was market by excellent trade in rosins, both domestic and foreign, with good demand for turpentine from domestic sources.

Receipts—Turpentine (1):	Feb. 1931	Jan. 1931	Feb. 1930
Savannah	_ 2,483	3,388	2,001
Jacksonville	2,304	3,090	2,362
Pensacola		750	
remsacota	- 907	790	712
Total	_ 5,354	7,228	5.075
Receipts—Rosin (2):		.,	-,
Savannah	_ 10.720	15.629	11.224
Jacksonville	13,424	22,127	15,219
Pensacola	3,178	3,589	4, 162
1 0115acO1a	- 9,110	0,008	4, 102
Total	27,322	41,845	30,605
Stocks—Turpentine (1):			
Savannah	_ 15.062	19.084	5,598
Jacksonville	13.978	15,727	13, 399
Pensacola	29.162		
remsacora	_ 28,102	33,509	26, 341
Total	. 58,202	68,320	45, 338
Stocks—Rosin (2):			
Savannah	_ 161,747	174.558	94,515
Jacksonville		118, 303	80,526
Pensacola		36,765	9,410
T 011000010	- 02,000	00,100	9,410
Total	_ 300,695	329,626	184, 451
(1) Barrels of 50 gallons			

MONTHLY INDEX NUMBERS

The following index numbers, except those of wholesale prices, are computed by the Federal Reserve Bank of Atlanta monthly. The index numbers of retail and wholesale trade are based upon sales figures reported confidentially by representative firms in the lines of trades indicated, and the other series of index numbers are based upon figures reported to the bank or currently available through the daily or trade press. These index numbers, except as indicated in the foot-notes, are based upon the monthly averages for the three year period 1923–25 as represented by 100.

RETAIL TRADE 6th DISTRICT (Department Stores)	December 1930	January 1931	February 1931	December 1929	January 1930	February 1930
Atlanta	270.7	124.8	117.1	264.9	124.0	126.2
Birmingham	137.9	63.1	71.4	173.3	72.4	88.5
Chattanooga	112.1	63.8	49.5	127.6	68.0	62.9
Nashville	154.0	65.6	70.2	180.0	74.9	79.6
New Orleans	135.6	62.9	70.1	152.5	66.8	75.9
Other Cities	143.8	65.3	63.3	167.2	72.8	81.8
DISTRICT	154.0	72.4	74.0	171.0	76.0	83.0
WHOLESALE TRADE 6th DISTRICT						
Groceries	69.1	64.8	60.3	84.0	83.6	81.8
Dry Goods	43.6	39.1	43.4	59.3 -	59.4	65.4
Hardware	57.8	58.8	53.1	83.2	85.5	73.1
Furniture	49.8	49.1	60.3	77.3	76.1	84.0
Electrical Supplies	85.4	55.7	57.7	106.9	81.5	77.7
Shoes	40.7	26.0	41.6	46.0	40.9	65.9
Stationery	60.1	58.3	82.1	68.0	72.7	62.0
Drugs.	88.3	86.0	81.8	104.8	109.2	94.9
TOTAL	62.8	58.2	56.9	82.4	81.4	76.8
	 0	00.2]	V=1.5	. 3.0
WHOLESALE PRICES U. S. (*)	70 4	77.0	75 5	04.0	09.4	00.1
ALL COMMODITIES	78.4	77.0	75.5	94.2	93.4	92.1
Farm Products	75.2	73.5	70.1	101.9	101.0	98.0
Foods	81.8	80.1	77.1	98.6	97.2	95.5
Other Commodities	79.0	77.8	77.1	91.4	90.3	89.6
Hides and leather products	91.2	88.6	86.6	107.4	105.1	103.9
Textile products	72.4	71.0	70.4	90.4	89.4	88.3
Fuel and lighting	70.5	69.8	69.6	81.3	79.9	78.8
Metals and metal products	90.0	89.3	88.9	102.1	101.2	100.9
Building materials	84.4	82.9	81.9	96.2	96.2	95.7
Chemicals and drugs	84.8	83.6	82.2	93.6	93.0	92.3
Housefurnishing goods	91.3	91.1	90.8	97.3	97.3	97.0
Mfscellaneous	66.9	64.7	63.9	79.8	78.7	78.5
BUILDING PERMITS 6th DISTRICT	 -		40.5		40.7	
Atlanta	21.2	20 6	18.3	17.8	42.5	44.9
Birmingham	8.8	26.3	11.9	33.5	16.5	21.3
Jacksonville	9.2	12.9	15.1	20.1	33.3	25.8
Nashville	36.4	28.7	39.9	19.7	38.1	108.2
New Orleans	18.6	8.5	22.7	48.3	24.4	14.5
Other Cities DISTRICT (20 Cities)	10.7	13.1	14.4	18.3	30.4	23 .0
·	14.1	16.2	17.0	23.9	30.2	29.8
CONTRACTS AWARDED 6th DISTRICT	10.0	** *	15.0	15.5	00.1	01.0
Residential	10.8	11.5	15.2	17.5	20.1	21.3
All Other	40.0	77.1	86.5	44.4	88.4	78.5
Total	28.3	50.9	58.0	33.6	61.1	55.6
COTTON CONSUMED:	70 0	00.4	05.0	00.0	119 0	07.4
United States	78.9	89.4	85.3	89.3	113.6	97.4
Cotton-Growing States	92.2	103.0	97.7	101.3	129.2	109.4
All Other States	52.9	59.3	58.1	62.9	79.1	71.2
Exports	124.6	101.6	70.4	148.1	118.6	65.4
PIG IRON PRODUCTION:	EE 0	E17 A	E 7 1	05.0	04.0	05.0
United States	55.8	57.4	57.1	95.0	94.6	95.0
Alabama	58.0	64.7	66.3	99.0	95.1	93.0
UNFILLED ORDERS—U. S. STEEL CORPORATION						
	82.6	86.5	83.0	92.5	93.6	93 .8

^(*) Compiled by the Bureau of Labor Statistics. Base 1926-100.