

# Bed and Bath Furnishings: 2001

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## Summary

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Current  
Industrial  
Reports

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For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Consumer Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Cathy Knudsen, 301-457-4642.

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**U S C E N S U S B U R E A U**

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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



Table 1a. Summary of Production and Shipments of Sheets, Pillowcases, and Terry Towels: 1992 to 2001  
 [Quantity in thousands of dozens. Value in thousands of dollars]

Quarter and year	Sheets, flat and fitted 1/			Pillowcases			Terry towels		
	Production (quantity)	Shipments		Production (quantity)	Shipments		Production (quantity)	Shipments	
		Quantity	Value		Quantity	Value		Quantity	Value
2001									
Total.....	15,447	15,579	1,205,685	15,583	14,396	444,394	34,782	37,128	1,110,841
Fourth quarter.....	3,102	3,089	241,902	3,047	2,748	92,646	8,598	9,036	261,679
Third quarter.....	3,579	3,839	307,917	3,787	3,589	114,908	9,021	9,644	291,721
Second quarter.....	4,723	4,432	325,295	4,659	4,097	117,893	8,661	9,050	274,184
First quarter.....	4,043	4,219	330,571	4,090	3,962	118,947	8,502	9,398	283,257
2000									
Total.....	16,284	16,300	1,363,903	16,428	15,943	428,734	37,371	36,467	1,133,126
Fourth quarter.....	4,012	4,057	323,573	3,983	3,651	99,218	8,536	8,638	251,192
Third quarter.....	3,841	4,117	340,262	3,893	3,813	112,020	9,562	9,970	301,080
Second quarter.....	4,170	4,004	342,466	4,297	4,166	108,393	9,530	8,979	285,753
First quarter.....	4,261	4,122	357,602	4,255	4,313	109,103	9,743	8,880	295,101
1999.....	16,449	16,650	1,426,748	16,054	16,074	433,169	40,391	38,073	1,211,897
1998.....	16,035	16,381	1,376,080	15,593	16,110	429,892	45,866	43,084	1,313,403
1997.....	16,246	16,181	1,419,037	13,181	15,152	433,292	46,173	44,980	1,308,816
1996.....	19,257	16,108	1,344,525	14,192	14,234	398,722	45,323	46,991	1,224,654
1995.....	18,302	15,282	1,242,271	13,901	14,232	388,185	49,084	47,939	1,147,510
1994.....	17,906	16,190	1,230,863	13,701	14,622	372,227	48,974	48,348	1,130,082
1993.....	16,826	16,331	1,197,095	12,304	14,464	370,620	48,529	47,161	1,071,837
1992.....	14,908	15,300	1,129,122	12,528	12,945	322,304	48,789	46,885	1,053,042

1/Excludes crib sheets.

Note: For 1993, a number of companies were added based on information in the 1992 Census of Manufacturers. Data were received from these companies for 1993; therefore, the information shown for years prior to 1993 may not be directly comparable. These changes represent approximately 2.0 percent of the total value of shipments for sheets, pillowcases, and towels.

**Table 1b. Inventories and Unfilled Orders of Sheets, Pillowcases, and Finished Terry Towels: 2001 and 2000**  
 [Inventories in thousands of dozens. Unfilled orders in thousands of dollars]

Quarter and year	Inventories			Unfilled orders		
	Sheets, flat and fitted 1/	Pillowcases	Terry towels	Sheets, flat and fitted 1/	Pillowcases	Terry towels
2001						
Fourth quarter.....	2,550	2,254	4,953	52,470	23,894	39,991
Third quarter.....	2,544	2,260	5,862	55,823	25,290	41,146
Second quarter.....	2,846	2,449	5,995	97,604	39,691	51,249
First quarter.....	2,594	1,943	6,558	100,621	38,303	(D)
2000						
Fourth quarter.....	3,000	2,256	6,727	115,626	39,383	(D)
Third quarter.....	2,758	2,231	7,442	107,686	36,992	(D)
Second quarter.....	3,234	2,773	9,048	165,583	58,113	(D)
First quarter.....	3,020	2,746	9,516	134,863	46,934	(D)

D Withheld to avoid disclosing data for individual companies.

1/Excludes crib sheets.

Table 2a. Production and Shipments of Sheets, Pillowcases, Towels, Bedspreads, and Blankets: 2001  
[Quantity in thousands of dozens. Value in thousands of dollars]

Product description	Total			Fourth quarter			Third quarter			Second quarter			First quarter		
	Pro- duction (quantity)	Shipments		Pro- duction (quantity)	Shipments		Pro- duction (quantity)	Shipments		Pro- duction (quantity)	Shipments		Pro- duction (quantity)	Shipments	
		Quantity	Value		Quantity	Value		Quantity	Value		Quantity	Value		Quantity	Value
Sheets and pillowcases.....	31,599	30,538	1,678,195	6,282	5,967	341,146	7,525	7,602	430,784	9,503	8,632	449,189	8,289	8,337	457,076
Crib size sheets and pillowcases...	569	586	28,116	133	130	6,598	159	174	7,959	121	126	6,001	156	156	7,558
Sheets, excluding crib.....	15,447	15,579	1,205,685	3,102	3,089	241,902	3,579	3,839	307,917	4,723	4,432	325,295	4,043	4,219	330,571
Chiefly polyester blends															
with cotton.....	10,615	11,686	779,135	1,880	2,165	145,127	2,309	2,869	196,599	3,482	3,423	220,001	2,944	3,229	217,408
All cotton and chiefly cotton...	4,808	3,869	424,362	1,216	918	96,146	1,264	964	110,717	1,235	1,003	104,820	1,093	984	112,679
All other fabric.....	24	24	2,188	6	6	629	6	6	601	6	6	474	6	6	484
Flannel sheets.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pillowcases, excluding crib.....	15,583	14,396	444,394	3,047	2,748	92,646	3,787	3,589	114,908	4,659	4,097	117,893	4,090	3,962	118,947
By fabric:															
Chiefly polyester blends															
with cotton.....	11,590	11,604	280,769	2,002	2,094	56,555	2,734	2,864	75,468	3,660	3,387	73,658	3,194	3,259	75,088
All cotton and chiefly cotton...	3,971	2,770	163,301	1,039	648	36,005	1,048	720	39,371	994	705	44,169	890	697	43,756
All other fabric.....	22	22	324	6	6	86	5	5	69	5	5	66	6	6	103
Flannel pillowcases.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Finished towels.....	34,782	37,128	1,110,841	8,598	9,036	261,679	9,021	9,644	291,721	8,661	9,050	274,184	8,502	9,398	283,257
By end use:															
Kitchen.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bath.....	18,874	20,572	701,555	4,669	5,054	170,108	4,798	5,317	183,198	4,501	4,863	167,661	4,906	5,338	180,588
Hand, face, guest, fingertip.....	12,288	12,488	242,656	3,030	3,093	58,059	3,288	3,237	63,640	3,259	3,122	60,413	2,711	3,036	60,544
Bath/tub mats.....	793	1,642	55,687	195	291	7,083	204	379	11,062	191	517	21,533	203	455	16,009
All other.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washcloths.....	19,116	19,875	187,852	4,821	4,692	43,496	4,837	5,237	50,903	4,679	4,816	45,754	4,779	5,130	47,699
Huck and crash towels.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Knit and/or crocheted bedspreads...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tailored bedspreads (except knit).....	486	494	86,290	114	116	18,579	135	141	24,407	117	117	20,259	120	120	23,045
Quilted:															
All cotton and chiefly cotton.....	141	141	23,519	(D)	(D)	(D)	(D)	(D)	(D)	32	32	5,788	34	34	6,155
All manmade and chiefly manmade.....	345	353	62,108	(D)	(D)	(D)	(D)	(D)	(D)	85	85	14,301	86	86	16,725
Nonquilted:															
All cotton and chiefly cotton.....	-	-	(D)	-	-	(D)	-	-	(D)	-	-	(D)	-	-	(D)
All manmade and chiefly manmade.....	-	-	(D)	-	-	-	-	-	-	-	-	(D)	-	-	(D)
Nontailored bedspreads.....	76	72	19,459	17	17	4,725	19	18	4,381	19	19	5,258	21	18	5,095
All cotton and chiefly cotton.....	45	39	11,009	11	10	2,805	11	9	2,456	11	10	2,929	12	10	2,819
All manmade and chiefly manmade.....	31	33	8,450	6	7	1,920	8	9	1,925	8	9	2,329	9	8	2,276
Comforters and quilts.....	2,681	2,478	827,976	615	574	198,171	695	674	228,992	684	580	187,385	687	650	213,428
All cotton and chiefly cotton.....	674	626	199,131	149	137	41,134	156	142	45,634	172	154	50,234	197	193	62,129
All manmade and chiefly manmade.....	1,678	1,525	420,388	394	365	104,217	434	428	116,425	438	353	93,336	412	379	106,410
Downfilled.....	329	327	208,457	72	72	52,820	105	104	66,933	74	73	43,815	78	78	44,889
Blankets.....	4,583	4,140	467,012	1,139	1,349	158,625	1,190	1,281	172,023	928	681	62,876	1,326	829	73,488

- Represents zero. D Withheld to avoid disclosing data for individual companies.



Table 2b. Production and Shipments of Sheets, Pillowcases, Towels, Bedspreads, and Blankets: 2000-Revised  
 [Quantity in thousands of dozens. Value in thousands of dollars]

Product description	Pro- duction (quantity)	Total		Fourth quarter			Third quarter			Second quarter		First quarter			
		Shipments		Shipments			Shipments			Shipments		Shipments			
		Quantity	Value	Pro- duction (quantity)	Quantity	Value	Pro- duction (quantity)	Quantity	Value	Pro- duction (quantity)	Quantity	Value	Pro- duction (quantity)	Quantity	Value
Comforters and quilts.....	3,010	3,007	1,066,648	701	721	288,605	750	750	269,587	782	743	251,114	777	793	257,342
All cotton and chiefly cotton.....	764	764	239,098	198	210	67,499	198	196	60,259	180	180	54,426	188	178	56,914
All manmade and chiefly manmade.....	1,877	1,863	589,769	397	405	139,391	456	445	136,879	516	477	155,028	508	536	158,471
Downfilled.....	369	380	237,781	106	106	81,715	96	109	72,449	86	86	41,660	81	79	41,957
Blankets.....	4,894	4,988	562,198	1,183	1,590	187,529	1,289	1,532	191,415	1,147	841	81,852	1,275	1,025	101,402

- Represents zero. D Withheld to avoid disclosing data for individual companies. n.s.k. Not specified by kind. r/Revised by 5 percent or more from previously published data. The revisions are partially due to the receipt of reported data from companies which only report on an annual basis. X Not applicable.

1/To the extent that Terry cloth yard goods are fabricated into towels and washcloths, duplication exists in the production of these items.

Table 3. Quantity and Value of Shipments of Sheets, Pillowcases, and Terry Towels by Distribution Channel: 2000-Revised  
 [Quantity in thousands of dozens. Value in thousands of dollars]

Product description	Total		Fourth quarter		Third quarter		Second quarter		First quarter	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Sheets, flat and fitted (except crib)....	16,300	1,363,903	4,057	323,573	4,117	340,262	4,004	342,466	4,122	357,602
By distribution channel:										
Branded retail.....	8,885	819,754	1,912	166,941	2,040	184,525	2,328	227,497	2,605	240,791
Private ticket retail.....	3,044	245,638	948	72,593	1,000	84,186	602	42,771	494	46,088
Exports.....	406	33,780	116	9,545	124	9,922	92	7,538	74	6,775
Institutional.....	2,761	144,838	726	36,107	688	34,503	688	37,875	659	36,353
Not specified by kind (n.s.k.).....	1,204	119,893	355	38,387	265	27,126	294	26,785	290	27,595
By type of finish:										
White.....	2,112	146,485	679	40,477	523	37,477	478	36,534	432	31,997
Solid colors.....	6,009	543,636	1,356	128,224	1,644	149,338	1,491	130,847	1,518	135,227
Fancies 1/.....	6,975	553,889	1,667	116,485	1,685	126,321	1,741	148,300	1,882	162,783
Not specified by kind (n.s.k.).....	1,204	119,893	355	38,387	265	27,126	294	26,785	290	27,595
Pillowcases (except crib).....	15,943	428,734	3,651	99,218	3,813	112,020	4,166	108,393	4,313	109,103
By distribution channel:										
Branded retail.....	9,428	274,799	1,903	55,032	2,055	63,110	2,595	75,453	2,875	81,204
Private ticket retail.....	2,933	80,773	885	25,542	942	30,380	567	13,174	539	11,677
Exports.....	370	9,515	95	2,547	107	3,190	93	2,153	75	1,625
Institutional.....	2,703	43,104	673	10,732	621	11,445	739	11,309	670	9,618
Not specified by kind (n.s.k.).....	509	20,543	95	5,365	88	3,895	172	6,304	154	4,979
By type of finish:										
White.....	2,439	43,598	684	11,290	565	11,725	625	10,803	565	9,780
Solid colors.....	5,990	189,421	1,314	45,656	1,576	54,395	1,513	44,200	1,587	45,170
Fancies 1/.....	7,005	175,172	1,558	36,907	1,584	42,005	1,856	47,086	2,007	49,174
Not specified by kind (n.s.k.).....	509	20,543	95	5,365	88	3,895	172	6,304	154	4,979
Towels.....	36,467	1,133,126	8,638	251,192	9,970	301,080	8,979	285,753	8,880	295,101
By distribution channel:										
Branded retail.....	16,839	592,177	2,930	99,755	3,292	110,042	5,250	187,870	5,367	194,510
Private ticket retail.....	8,173	280,822	2,744	85,862	3,352	116,324	934	34,893	1,143	43,743
Exports.....	590	18,845	176	4,496	127	4,276	149	5,522	138	4,551
Institutional.....	6,580	146,271	1,616	35,309	1,986	44,052	1,563	34,662	1,415	32,248
Not specified by kind (n.s.k.).....	4,285	95,011	1,172	25,770	1,213	26,386	1,083	22,806	817	20,049
By type of finish:										
White.....	7,358	182,545	1,611	40,389	1,812	46,043	2,160	48,605	1,775	47,508
Solid colors.....	22,490	777,800	5,329	168,220	6,347	208,585	5,091	193,031	5,723	207,964
Fancies 1/.....	2,334	77,770	526	16,813	598	20,066	645	21,311	565	19,580
Not specified by kind (n.s.k.).....	4,285	95,011	1,172	25,770	1,213	26,386	1,083	22,806	817	20,049
Washcloths.....	20,716	196,949	4,690	44,113	5,158	52,445	5,326	50,985	5,542	49,406
By distribution channel:										
Branded retail.....	8,866	95,077	1,291	13,594	1,382	17,063	3,113	32,558	3,080	31,862
Private ticket retail.....	3,492	43,596	1,291	13,748	1,484	18,823	313	4,918	404	6,107
Exports.....	140	1,265	49	469	33	347	27	219	31	230
Institutional.....	5,283	25,460	1,378	6,695	1,529	7,177	1,190	5,882	1,186	5,706
Not specified by kind (n.s.k.).....	2,935	31,551	681	9,607	730	9,035	683	7,408	841	5,501

N.s.k. Not specified by kind. r/Revised from previously published data. The revisions are partially due to the receipt of reported data from companies which only report on an annual basis.

1/Prints, special hems, jacquards, etc.

Table 4a. Shipments, Exports, Imports, and Apparent Consumption of Sheets, Pillowcases, and Towels: 2001  
 [Quantity in thousands of dozens. Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise 1/		Percent exports to manufacturers' shipments		Imports for consumption 2/		Apparent consumption 4/		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value 3/	Quantity	Value	Quantity	Value
TOTAL													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	30,561	1,678,195	834	69,767	2.7	4.2	14,570	698,143	44,296	2,306,571	32.9	30.3
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	57,003	1,298,693	2,236	91,251	3.9	7.0	98,314	809,237	153,082	2,016,679	64.2	40.1
FOURTH QUARTER													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	5,967	341,146	187	15,400	3.1	4.5	3,437	170,606	9,217	496,352	37.3	34.4
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	13,728	305,175	513	21,122	3.7	6.9	23,172	184,372	36,387	468,425	63.7	39.4
THIRD QUARTER													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	7,602	430,784	223	19,041	2.9	4.4	4,449	212,294	11,828	624,037	37.6	34.0
3141295010, B110, R141 pt.	Terry woven towels and washcloths.....	14,881	342,624	621	25,493	4.2	7.4	24,050	190,761	38,310	507,892	62.8	37.6
SECOND QUARTER													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	8,655	449,189	191	15,720	2.2	3.5	3,762	173,675	12,226	607,144	30.8	28.6
3141295010, B110, R141 pt.	Terry woven towels and washcloths.....	13,866	319,938	584	23,539	4.2	7.4	24,984	196,520	38,266	492,919	65.3	39.9
FIRST QUARTER													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	8,337	457,076	233	19,606	2.8	4.3	2,922	141,568	11,025	579,038	26.5	24.4
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	14,528	330,956	518	21,097	3.6	6.4	26,108	237,584	40,119	547,443	65.1	43.4

pt. Partial.

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

3/Dollar value represents the c.i.f. (cost, insurance, freight) value at the first port of entry in the United States plus U.S. import duties.

4/Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' shipments plus imports.



Table 4b. Shipments, Exports, Imports, and Apparent Consumption of Sheets, Pillowcases, and Towels: 2000  
 [Quantity in thousands of dozens. Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise 1/		Percent exports to manufacturers' shipments		Imports for consumption 2/		Apparent consumption 4/		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value 3/	Quantity	Value	Quantity	Value
TOTAL													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	33,010	1,826,348	913	75,654	2.8	4.1	12,302	649,559	44,399	2,400,253	27.7	27.1
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	57,183	1,330,075	2,127	90,363	3.7	6.8	98,975	762,379	154,031	2,002,091	64.3	38.1
FOURTH QUARTER													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	7,907	431,402	234	19,769	3.0	4.6	2,715	155,249	10,388	566,882	26.1	27.4
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	13,328	295,305	634	27,562	4.8	9.3	23,392	183,733	36,086	451,476	64.8	40.7
THIRD QUARTER													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	8,101	460,341	240	20,428	3.0	4.4	3,853	203,360	11,714	643,273	32.9	31.6
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	15,128	353,525	536	21,981	3.5	6.2	25,169	188,871	39,761	520,415	63.3	36.3
SECOND QUARTER													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	8,351	458,572	235	17,860	2.8	3.9	3,243	161,848	11,359	602,560	28.6	26.9
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	14,305	336,738	465	19,092	3.3	5.7	25,480	181,263	39,320	498,909	64.8	36.3
FIRST QUARTER													
3141293000, 313210C110, Q000	Sheets and pillowcases.....	8,651	476,033	204	17,597	2.4	3.7	2,491	129,102	10,938	587,538	22.8	22.0
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	14,422	344,507	492	21,728	3.4	6.3	24,934	208,512	38,864	531,291	64.2	39.2

pt. Partial.

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

3/Dollar value represents the c.i.f. (cost, insurance, freight) value at the first port of entry in the United States plus U.S. import duties.

4/Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' shipments plus imports.

**Table 5. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2001**

Product code	Product description	Export code 1/	Import code 2/
3141293000, 313210C110, Q000	Sheets and pillowcases.....	6302.10.0000	6302.10.0005
		6302.21.0015	6302.10.0008
		6302.21.0025	6302.10.0015
		6302.22.0010	6302.10.0020
		6302.22.0020	6302.21.3010
		6302.29.0000	6302.21.3020
		6302.31.0015	6302.21.5010
		6302.31.0025	6302.21.5020
		6302.32.0010	6302.21.7010
		6302.32.0020	6302.21.7020
		6302.39.0000	6302.21.9010
			6302.21.9020
			6302.22.1010
			6302.22.1020
			6302.22.1030
			6302.22.1040
			6302.22.2010
			6302.22.2020
			6302.29.0010
			6302.29.0020
	6302.31.3010		
	6302.31.3020		
	6302.31.5010		
	6302.31.5020		
	6302.31.7010		
	6302.31.7020		
	6302.31.9010		
	6302.31.9020		
	6302.32.1010		
	6302.32.1020		
	6302.32.1030		
	6302.32.1040		
	6302.32.2010		
	6302.32.2020		
	6302.32.2030		
	6302.32.2040		
	6302.39.0010		
	6302.39.0020		
	6302.39.0030		
3141295010, 313210B110, R141 pt.	Terry woven towels and washcloths.....	6302.60.0010	6302.60.0010
		6302.60.0020	6302.60.0020
		6302.60.0030	6302.60.0030
		6302.91.0010	6302.91.0005
			6302.91.0015
	6302.91.0025		
	6302.93.1000		

pt. Partial.

1/Source: 2001 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

# Appendix.

## General CIR Survey Information, Explanation of General Terms and Historical Note

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### GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

### NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

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The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

## FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

## RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

## DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

## DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

## EXPLANATION OF GENERAL TERMS

**Capacity.** The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

**Consumption.** Materials used in producing or processing a product or otherwise removing the product from the inventory.

**Exports.** Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

**Gross shipments.** The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

**Interplant transfers.** Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

**Inventories.** The quantity or value of finished goods, work in progress, and materials on hand.

**Machinery in place.** The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

**Net receipts.** Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

**Production.** The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

**Quantities produced and consumed.** Quantities of each type of product produced by a company for internal consumption within that same company.

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**Quantity and value of new orders.** The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

**Quantity and value of shipments.** The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped,

net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

**Stocks.** Total quantity of ending finished inventory.

**Unfilled orders (backlog).** Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

#### **HISTORICAL NOTE**

Data on sheets, pillowcases, and towels have been collected by the Census Bureau since 1960. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library.