

Steel Wire Drawing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
331222, Steel wire drawing	271	337	18 314	664 092	14 949	31 548	499 426	1 559 508	2 275 703	3 834 831	'95 944
2001..	N	N	21 360	743 439	17 144	36 114	549 438	1 779 500	2 551 090	4 353 159	96 791
2000..	N	N	22 618	787 224	18 210	39 635	568 281	1 960 319	2 707 832	4 623 278	148 751
1999..	N	N	23 476	789 232	19 051	41 030	578 582	2 026 831	2 749 587	4 766 574	141 703
1998..	N	N	22 851	747 646	18 957	40 461	567 039	2 023 020	2 997 294	5 019 698	136 165
1997..	199	270	23 230	720 103	18 657	39 892	528 657	1 947 412	2 890 728	4 827 728	177 798

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
331222, Steel wire drawing												
United States.....	—	337	172	18 314	664 092	14 949	31 548	499 426	1 559 508	2 275 703	3 834 831	'95 944
Arizona.....	1	8	3	231	6 440	200	421	4 892	15 851	23 724	38 447	'371
California.....	2	42	18	1 658	61 216	1 383	2 728	46 442	157 700	233 485	386 537	'5 473
Connecticut.....	1	8	4	362	15 328	308	677	11 600	34 216	37 235	72 169	'1 567
Florida.....	—	14	8	678	23 493	592	1 291	20 191	61 111	110 640	170 867	'4 398
Illinois.....	—	17	9	687	27 223	551	1 186	21 036	65 352	75 240	139 098	'10 225
Indiana.....	—	13	11	945	35 654	781	1 666	29 418	101 791	154 115	254 943	'9 498
Iowa.....	5	4	3	351	10 398	289	633	7 928	20 588	17 740	38 595	'625
Michigan.....	—	10	7	803	27 525	641	1 279	18 732	57 368	65 830	120 290	'4 584
Missouri.....	1	19	11	2 113	72 137	1 811	3 742	56 878	130 024	178 744	310 297	'4 145
New Jersey.....	—	7	5	524	19 349	370	821	12 420	37 161	56 492	96 223	'905
North Carolina.....	—	6	3	301	8 703	252	354	5 497	32 985	38 914	71 445	'851
Ohio.....	2	16	10	1 198	52 279	886	1 846	34 531	123 735	179 316	293 265	'2 526
Oklahoma.....	—	11	5	871	30 960	739	1 552	23 244	77 998	99 724	176 716	'2 247
Pennsylvania.....	—	21	12	1 508	52 260	1 137	2 785	34 785	122 876	105 049	229 718	'9 471
South Carolina.....	—	12	6	413	14 327	295	525	9 424	37 301	62 447	107 908	'1 519
Tennessee.....	—	8	5	434	19 093	348	719	13 915	63 942	129 426	191 043	'5 502
Texas.....	—	25	12	1 019	31 873	883	1 835	25 010	72 933	116 435	190 337	'4 540
Virginia.....	1	5	4	220	7 216	190	414	5 838	15 605	27 081	43 172	'558

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
331222, Steel wire drawing	
Companies ¹	number.. 271
All establishments ²	number.. 337
Establishments with 1 to 19 employees	number.. 165
Establishments with 20 to 99 employees	number.. 110
Establishments with 100 employees or more	number.. 62
All employees ³	number.. 18 314
Total compensation	\$1,000.. 846 360
Annual payroll	\$1,000.. 664 092
Total fringe benefits	\$1,000.. 182 268
Production workers, average for year	number.. 14 949
Production workers on March 12	number.. 15 079
Production workers on May 12	number.. 15 006
Production workers on August 12	number.. 14 927
Production workers on November 12	number.. 14 756
Production worker hours1,000.. 31 548
Production worker wages	\$1,000.. 499 426
Total cost of materials	\$1,000.. 2 275 703
Materials, parts, containers, packaging, etc., used	\$1,000.. 2 037 569
Resales	\$1,000.. 106 831
Purchased fuels	\$1,000.. 37 831
Purchased electricity	\$1,000.. 75 161
Contract work	\$1,000.. 18 311
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 403 793
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 3 834 831
Primary products value of shipments	\$1,000.. 3 633 525
Secondary products value of shipments	\$1,000.. 60 129
Total miscellaneous receipts	\$1,000.. 141 177
Value of resales	\$1,000.. 126 497
Contract receipts	\$1,000.. 5 253
Other miscellaneous receipts	\$1,000.. 9 427
Primary products specialization ratio	percent.. 98
Value of primary products shipments made in all industries	\$1,000.. 3 949 247
Value of primary products shipments made in this industry	\$1,000.. 3 633 525
Value of primary products shipments made in other industries	\$1,000.. 315 722
Coverage ratio	percent.. 92
Value added	\$1,000.. 1 559 508
Total inventories, beginning of year	\$1,000.. 608 469
Finished goods inventories	\$1,000.. 231 052
Work-in-process inventories	\$1,000.. 109 211
Materials and supplies inventories	\$1,000.. 268 206
Total inventories, end of year	\$1,000.. 649 136
Finished goods inventories	\$1,000.. 234 310
Work-in-process inventories	\$1,000.. 106 333
Materials and supplies inventories	\$1,000.. 308 493
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '2 035 233
Total capital expenditures (new and used)	\$1,000.. '95 944
Buildings and other structures (new and used)	\$1,000.. '15 865
Machinery and equipment (new and used)	\$1,000.. '80 079
Automobiles, trucks, etc., for highway use	\$1,000.. '1 395
Computers and peripheral data processing equipment	\$1,000.. '3 521
All other expenditures for machinery and equipment	\$1,000.. '75 163
Total retirements	\$1,000.. '74 994
Gross value of depreciable assets at end of year	\$1,000.. '2 056 183
Depreciation charges during year	\$1,000.. '123 079
Total rental payments	\$1,000.. 30 922
Buildings and other structures	\$1,000.. 16 375
Machinery and equipment	\$1,000.. 14 547
Total other expenses ⁴	\$1,000.. 230 734
Response coverage ratio ⁵	percent.. 73
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 42 843
Communications services ⁴	\$1,000.. 3 792
Legal services ⁴	\$1,000.. 1 672
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 2 568
Advertising and promotional services ⁴	\$1,000.. 3 429
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 2 009
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 8 016
Management consulting and administrative services ⁴	\$1,000.. 5 733
Taxes and license fees ⁴	\$1,000.. 10 200
All other expenses ⁴	\$1,000.. 150 473

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
331222, Steel wire drawing											
All establishments	—	337	18 314	664 092	14 949	31 548	499 426	1 559 508	2 275 703	3 834 831	'95 944
Establishments with—											
1 to 4 employees	9	104	c	D	D	D	D	D	D	D	D
5 to 9 employees	8	33	226	8 101	187	387	6 226	20 376	25 924	46 500	'566
10 to 19 employees	7	28	368	13 984	289	597	9 729	33 788	39 223	73 495	'1 780
20 to 49 employees	1	49	1 666	62 181	1 316	2 742	44 188	129 475	205 645	335 276	'6 738
50 to 99 employees	—	61	4 365	159 394	3 525	7 146	118 048	389 844	607 752	1 000 567	'30 363
100 to 249 employees	—	53	8 100	296 504	6 685	14 591	227 579	752 766	1 081 735	1 823 429	'46 242
250 to 499 employees	—	8	2 843	100 034	2 324	4 750	74 476	185 968	272 567	462 552	'7 749
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	136	756	28 826	588	1 193	20 610	73 484	101 435	165 827	'2 231

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
331222	Steel wire drawing	337	18 314	664 092	14 949	31 548	499 426	1 559 508	2 275 703	3 834 831	'95 944
3312221	Noninsulated ferrous wire rope, cable, and fabricated wire rope assemblies (including lifting slings), made in plants that draw wire	37	5 249	180 001	4 405	9 264	138 142	405 458	513 190	929 634	'19 058
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire	14	874	29 545	730	1 416	22 178	102 714	136 550	238 984	'10 544
3312225	Steel wire, including galvanized and other coated wire, made in plants that draw wire	71	6 626	263 905	5 328	11 582	205 178	604 267	1 123 784	1 733 245	'37 560
3312227	Steel fencing and fence gates, made in plants that draw wire	14	1 204	39 453	1 007	1 853	28 258	120 477	131 193	248 091	'3 856
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire	4	295	9 609	256	930	7 324	17 040	20 635	37 603	'330
331222B	Other ferrous wire products (excluding springs), made in plants that draw wire	34	3 020	103 404	2 355	4 722	69 503	236 766	254 899	479 283	'22 263

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
331222	Steel wire drawing	2002.. N 1997.. N	X X	X X	3 949 247 4 962 274
3312221	Noninsulated ferrous wire rope, cable, and fabricated wire rope assemblies (including lifting slings), made in plants that draw wire	2002.. N 1997.. N	X X	X X	943 389 977 995
33122211	Noninsulated ferrous wire rope, cable, and fabricated wire rope assemblies (including lifting slings), made in plants that draw wire	2002.. N 1997.. N	X X	X X	500 361 560 466
3312221101	Noninsulated ferrous wire forms and strand (including strand for prestressed concrete, composite wire strand (except ACSR), and guard rail cable), made in plants that draw wire ¹	2002.. 25 1997.. N	X X	X X	500 361 N
33122212	Noninsulated ferrous wire forms and strand (including strand for prestressed concrete, composite wire strand (except ACSR), and guard rail cable), made in plants that draw wire	2002.. N 1997.. N	X X	X X	442 544 417 494
3312221201	Noninsulated ferrous wire forms and strand, made in plants that draw wire ²	2002.. 17 1997.. N	X X	X X	442 544 N
3312221Y	Noninsulated ferrous wire rope, cable, forms, and strand, made in plants that draw wire, nsk	2002.. N 1997.. N	X X	X X	484 35
3312221YV	Noninsulated ferrous wire rope, cable, forms, and strand, made in plants that draw wire, nsk	2002.. N 1997.. N	X X	X X	484 35
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire	2002.. N 1997.. N	X X	X X	297 119 446 963
33122231	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire	2002.. N 1997.. N	X X	X X	297 119 437 538
3312223100	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire ³	2002.. 20 1997.. N	X X	X X	297 119 N
3312225	Steel wire, including galvanized and other coated wire, made in plants that draw wire	2002.. N 1997.. N	X X	X X	1 559 829 1 996 859
33122251	Steel wire, including galvanized and other coated wire, made in plants that draw wire	2002.. N 1997.. N	X X	X X	1 559 829 1 996 859
3312225100	Steel wire, including galvanized and other coated wire, made in plants that draw wire ⁴	2002.. 75 1997.. 83	X X	X X	1 559 829 1 996 859
3312227	Steel fencing and fence gates, made in plants that draw wire	2002.. N 1997.. N	X X	X X	343 623 401 723
33122271	Steel fencing and fence gates, made in plants that draw wire	2002.. N 1997.. N	X X	X X	343 623 397 978
3312227100	Steel fencing and fence gates, made in plants that draw wire	2002.. 17 1997.. N	X X	X X	343 623 N
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire	2002.. N 1997.. N	X X	X X	73 293 102 048
33122291	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire	2002.. N 1997.. N	X X	X X	73 293 102 048
3312229100	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire ⁵	2002.. 10 1997.. 6	X X	X X	73 293 102 048
331222B	Other ferrous wire products (excluding springs), made in plants that draw wire	2002.. N 1997.. N	X X	X X	567 349 978 695
331222B1	Other ferrous wire products (excluding springs), made in plants that draw wire	2002.. N 1997.. N	X X	X X	567 349 978 645
331222B100	Other ferrous wire products (excluding springs), made in plants that draw wire ⁶	2002.. 33 1997.. N	X X	X X	567 349 N
331222W	Steel wire drawing, nsk, total	2002.. N 1997.. N	X X	X X	164 645 57 991
331222WY	Steel wire drawing, nsk, total	2002.. N 1997.. N	X X	X X	164 645 57 991
331222WYWW	Steel wire drawing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	66 522 17 257
331222WYWY	Steel wire drawing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	98 123 40 734

¹For additional detail, see Current Industrial Report MA331B, Steel Mill Products. Also, this product code is primary to more than one industry. See industry 332618, product code 3326181102.
²For additional detail, see Current Industrial Report MA331B, Steel Mill Products. Also, this product code is primary to more than one industry. See industry 332618, product code 3326181106.
³For additional detail, see Current Industrial Report MA331B, Steel Mill Products. Also, this product code is primary to more than one industry. See industry 332618, product code 3326189100.
⁴For additional detail, see Current Industrial Report MA331B, Steel Mill Products. Also, this product code is primary to more than one industry. See industry 331111, product code 3311119100.
⁵For additional detail, see Current Industrial Report MA331B, Steel Mill Products. Also, this product code is primary to more than one industry. See industry 332618, product code 3326183100.
⁶For additional detail, see Current Industrial Report MA331B, Steel Mill Products. Also, this product code is primary to more than one industry. See industry 332618, product code 332618B500.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
3312221	Noninsulated ferrous wire rope, cable, and fabricated wire rope assemblies (including lifting slings), made in plants that draw wire		
	United States.....	2002.. 943 389	
		1997.. 977 995	
	Missouri	2002.. 201 446	
		1997.. 145 875	
	Ohio	2002.. 26 731	
		1997.. N	
	Pennsylvania.....	2002.. 75 042	
		1997.. 131 187	
	Texas	2002.. 58 872	
		1997.. N	
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire		
	United States.....	2002.. 297 119	
		1997.. 446 963	
	California	2002.. 38 980	
		1997.. 49 741	
	Illinois	2002.. 48 804	
		1997.. 89 210	
3312225	Steel wire, including galvanized and other coated wire, made in plants that draw wire		
	United States.....	2002.. 1 559 829	
		1997.. 1 996 859	
	California	2002.. 201 638	
			1997.. 170 908
	Connecticut	2002.. 45 694	
			1997.. 129 816
	Illinois	2002.. 92 083	
			1997.. 112 713
	Indiana	2002.. 186 254	
			1997.. 147 186
	Michigan.....	2002.. 63 337	
			1997.. 104 619
	Missouri	2002.. 67 255	
			1997.. N
New Jersey	2002.. 31 662		
		1997.. 58 862	
Ohio	2002.. 94 169		
		1997.. 160 538	
Pennsylvania.....	2002.. 86 982		
		1997.. 51 679	
South Carolina	2002.. 76 288		
		1997.. 68 157	
3312227	Steel fencing and fence gates, made in plants that draw wire		
	United States.....	2002.. 343 623	
		1997.. 401 723	
	California	2002.. 12 315	
			1997.. N
	Texas	2002.. 38 442	
		1997.. 63 680	
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire		
	United States.....	2002.. 73 293	
		1997.. 102 048	
331222B	Other ferrous wire products (excluding springs), made in plants that draw wire		
	United States.....	2002.. 567 349	
		1997.. 978 695	
	California	2002.. 70 196	
			1997.. 50 185
	Missouri	2002.. 39 341	
			1997.. 51 154
Ohio	2002.. 158 876		
		1997.. 61 626	
Pennsylvania.....	2002.. 63 204		
		1997.. 164 514	

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
331222	Steel wire drawing		
0090001	Total materials	2002.. X	2 037 569
		1997.. X	2 629 735
32799211	Other fluxes	2002.. X	149
		1997.. X	D
32500011	Industrial chemicals (excluding sulfuric acid and oxygen)	2002.. X	3 477
		1997.. X	6 875
32512003	Oxygen (including high and low purity)	2002.. X	D
		1997.. X	D
32518802	Sulfuric acid, new and spent (100 percent H2SO4)	2002.. X	715
		1997.. X	N
32500039	All other chemicals and allied products	2002.. X	4 801
		1997.. X	11 110
21211001	Coal used in the production of coke	1,000 s tons .. 2002.. D	D
		1997.. N	N
00190023	Iron and steel scrap, excluding home scrap	1,000 s tons .. 2002.. D	D
		1997.. N	-
32410017	Lubricating oils and greases and other petroleum products	2002.. X	4 716
		1997.. X	7 870
33350003	Industrial dies, molds, jigs, and fixtures	2002.. X	7 235
		1997.. X	11 291
33120075	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X	82 869
		1997.. X	176 620
331000AE	All other ferrous shapes and forms (excluding castings, forgings, and fabricated metal products)	1,000 s tons .. 2002.. D	D
		1997.. D	D
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X	D
		1997.. X	N
33141933	Nickel (excluding ferronickel) shapes and forms (excluding castings, forgings, and fabricated metal products)	1,000 s tons .. 2002.. D	D
		1997.. .1	1 498
33141939	Tin shapes and forms (excluding castings, forgings, and fabricated metal products)	1,000 s tons .. 2002.. D	D
		1997.. D	D
33149105	Zinc and zinc-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	1,000 s tons .. 2002.. S	21 246
		1997.. 27.1	33 127
33141905	All other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X	4 206
		1997.. X	N
33151007	All other iron and steel castings	2002.. X	D
		1997.. X	D
32741007	Lime fluxes, including quicklime	2002.. X	537
		1997.. X	D
33120081	Steel rod, for wire drawing	1,000 s tons .. 2002.. S	1 306 796
		1997.. P3 815.4	1 568 597
33120067	Steel wire, for redrawing	1,000 s tons .. 2002.. S	180 856
		1997.. 546.5	253 232
00970099	All other materials and components, parts, containers, and supplies	2002.. X	285 483
		1997.. X	403 825
00971000	Materials, ingredients, containers, and supplies, nsk	2002.. X	127 381
		1997.. X	138 410

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.