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Volume Title: Value of Commodity Output Since 1869

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Volume Publisher: NBER

Volume ISBN: 0-87014-047-7

Volume URL: <http://www.nber.org/books/shaw47-1>

Publication Date: 1947

Chapter Title: Exports And Imports

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Chapter URL: <http://www.nber.org/chapters/c5425>

Chapter pages in book: (p. 269 - 286)

PART III

Exports and Imports

PART III describes the derivation of the export and import data that make it possible to pass from value of output to value of output destined for domestic consumption. In it we review the limitations inherent in the data and discuss the importance of the export-import adjustments.

A EXPORTS

Exports, including exports to noncontiguous territories, were compiled by commodity groups for 1893–1919 from the detailed statistics in the *Monthly Summary of Foreign Commerce*, December issues.¹ For 1869 and 1879 and for 1889–93 calendar year totals were summated from the *Quarterly Report of the Chief of the Bureau of Statistics*, United States Treasury Department (Table III 1).

There are several deficiencies in the export statistics: the incomplete presentation of exports by rail to Canada and Mexico before 1915, the probable failure to include all parcel post shipments, the peculiar timing of the monthly data, which in many instances are not the values of goods exported within a given month but the values the Section on Custom Statistics had time to compile, and the possible inaccuracies of many of the early export returns and their effects on quantity-value comparisons. These and other limitations are described by Dudley J. Cowden, *Measures of Exports of the United States* (Columbia University Press, 1931), and Laurence F. Schmeckebier, *The Statistical Work of the National Government* (Johns Hopkins Press, 1925). We did not attempt to allow for the various deficiencies because accurate data with which to make corrections were not available.

The basic export statistics were modified in two ways. The first had to do with the allocation of commodities among the minor groups. For most years exports were reported in sufficient detail to admit of a fairly good allocation. When, in the earlier years, some commodities had been combined, apportionment between finished and unfinished or among two

¹ Also called at various times the *Summary Statement of Imports and Exports; Finance, Commerce, and Navigation; Monthly Summary of Finance and Commerce; and Monthly Summary of Commerce and Finance.*

or more groups was based on the nearest year for which detailed figures were given.

The second modification involved the determination of the price level at which exports were valued. For our present purpose exports had to be valued at prices comparable with the output data, which were in manufacturers' or producers' prices. Consequently, the problem was to determine not only whether export prices differed from manufacturers' prices but also how much.

Per unit census and export prices for 1914 and 1919 were compared for as many finished commodities and construction materials as possible. As it was difficult to get prices for qualitatively similar commodities and reliability of the per unit export prices is uncertain, we do not present the comparisons in detail.² In more than half of 97 commodities distributed fairly evenly among the various commodity groups export prices were higher than manufacturers' prices. The exceptions—the groups included under producer durable other than miscellaneous subsidiary equipment and the following consumer durable groups: heating and cooking apparatus, household appliances, and electrical supplies; books; passenger vehicles and accessories; motorcycles and bicycles; and pleasure craft—can usually be explained by the nature of the commodities. Some—mechanical items such as machinery and transportation equipment—are usually exported directly by the manufacturer; others—for which foreign competition is keen—are often reduced in price to meet such competition. Books, which do not belong to either category, are usually subject to trade discounts as large as or larger than the reduction in price to meet foreign competition. In any event it was assumed that export values did not have to be modified for these groups.

For the other commodity groups it was necessary to estimate how much export values had to be trimmed to make them comparable with the value of output destined for domestic consumption. Since the per unit price comparisons were inadequate for purposes of precise measurement they had to be supplemented with more comprehensive data. From the *Census of Distribution: Wholesale Trade 1929*,³ Table 5, 6, 7, the expense ratios of exporters and export agents were calculated for groups of establishments

² See comments in Cowden, *op. cit.*, pp. 18–25 and 36–9, regarding the accuracy of per unit export prices.

³ Although this is a 1929 reference, the operating expense data are probably sufficiently similar to corresponding data for early years to justify their use in arriving at *approximate* reduction percentages.

roughly comparable with our minor commodity groups.⁴ Reduction percentages were based on these ratios in conjunction with our per unit price comparisons. The accompanying table gives the final percentages applied in all years (all are rounded to the nearest 5).

COMMODITY GROUP	REDUCTION PERCENTAGE
1a Manufactured foods and kindred products	5
b Nonmanufactured foods	10
2 Cigars, cigarettes and tobacco	10
3 Drugs, toilet and household preparations	10
4 Magazines, newspapers, stationery	20
5a Manufactured fuel and lighting products	10
6 Dry goods and notions	10
7 Clothing and personal furnishings	15
8 Shoes and other footwear	15
9 Housefurnishings (semidurable)	20
10 Toys, games and sporting goods	15
11 Tires and tubes	5
12 Household furniture	20
14a Floor coverings	20
b Miscellaneous housefurnishings (durable)	20
15 China and household utensils	20
16 Musical instruments	20
17 Jewelry, silverware, clocks and watches	15
19 Luggage	5
36 Miscellaneous subsidiary durable equipment	10
Construction materials	10

A tabulation of the percentages that exports constituted in 1909 of the total output of the five major commodity groups before and after the application of the reduction percentages suggests the effects of applying them. The differences between the two sets of figures reveal that in no major group was the reduction as much as .005 of total output. An error in the reduction percentages as high as 50 percent would thus have no appreciable effect on the estimated amounts destined for domestic consumption.

	BEFORE	AFTER
Consumer perishable	3.77	3.53
Consumer semidurable	1.90	1.66
Consumer durable	2.96	2.87
Producer durable	9.57	9.55
Construction materials	4.17	3.76

A similar test can be made for the minor groups by comparing the export values in Tables III 2 and I 1. Such a test for 1909 shows that in only six groups (21, 25, 26, 27, 28, and 35) would the effect of a 50 percent error be as much as 1 percent.⁵

⁴ See Simon Kuznets, *Commodity Flow and Capital Formation*, Vol. One, pp. 199-201, for the groups utilized.

⁵ In minor groups where no reduction percentage was applied, a 10 percent reduction was assumed. All six groups fall in this class.

B IMPORTS

As our chief interest is in the cost of commodities to the United States economy at the time they enter it, i.e., when the commodities are delivered to importers, we use imports for consumption including duties. To the extent that even imports for consumption may be re-exported and duties refunded, this series is unsatisfactory because re-exports are not included in our export figures; but the amount of re-exports is extremely small.

Fiscal year imports for consumption including duties were compiled by commodity groups from detailed annual data in *Foreign Commerce and Navigation*. Since comparable figures for calendar years were not available, approximate adjustments were based on the relations between fiscal and calendar year general imports (the latter taken from the sources used for exports).⁶ Calendar year imports from noncontiguous territories, also taken from the sources used for exports, were added to the resulting totals.

A minor inadequacy in the reported figures is that they are based on the value and rate of duty claimed by the importers; revisions made by the customs authorities do not appear in the figures. Despite these faults, and even if other slight defects in our import correction, such as the failure to include ocean freight, are considered, we believe that for all practical purposes the import values used approximate the values desired. For a discussion of the general reliability of import statistics see Schmeckebier and Cowden, *op. cit.*

Nor is a correction for level analogous to that made for exports needed. In the period under consideration most finished commodities were imported by wholesalers; and it is reasonable to assume that the level of prices paid corresponds roughly to manufacturers' prices.

C CHANGES IN RELATIVE IMPORTANCE OF EXPORTS AND IMPORTS

The following tabulation, based on Table I 1, shows the importance of the adjustments for exports and imports. A percentage less than 100 indicates that exports exceeded imports: one more than 100 that imports exceeded exports. The greater the deviation from 100 the greater the influence of the foreign trade adjustment and thus the greater the difference between total domestic output and the value of output destined for

⁶ General imports are articles entered for immediate consumption and for warehouse. Since duties are not fully determined on the latter, the general import data exclude duties. Imports for consumption—articles entered for immediate consumption and withdrawals from warehouse—include duties. The two series thus differ by the amount that entries for warehouse exceed or are less than withdrawals.

domestic consumption. To reveal possible trends, percentages are computed for three periods.

Percentage that Value Destined for Domestic Consumption
Constitutes of Total Value of Domestic Output
Major and Minor Commodity Groups, Three Periods

MAJOR AND MINOR COMMODITY GROUPS	AVERAGE PERCENTAGE		
	1869, 1879, 1889-99	1900-13	1914-19
1 Food & kindred products			
a Manufactured	89.7	95.2	90.4
b Nonmanufactured	102.1	102.3	101.4
2 Cigars, cigarettes & tobacco	101.2	101.7	99.6
3 Drug, toilet & household preparations	98.5	97.5	95.9
4 Magazines, newspapers, stationery & supplies, & misc. paper products	102.4	101.5	98.0
5 Fuel & lighting products			
a Manufactured	99.6	99.8	100.2
b Nonmanufactured		Not estimated	
Consumer Perishable, Total	95.6	98.1	94.7
6 Dry goods & notions	124.0	112.0	92.5
7 Clothing & personal furnishings	106.2	102.7	99.7
8 Shoes & other footwear	99.5	97.5	95.4
9 Housefurnishings	102.2	103.3	101.2
10 Toys, games & sporting goods	113.6	113.5	81.1
11 Tires & tubes	97.1*	92.5	94.4
Consumer Semidurable, Total	108.2	103.0	97.0
12 Household furniture	97.7	98.0	99.2
13 Heating & cooking apparatus, household appliances & electrical supplies			
a Heating & cooking apparatus & household ap- pliances except electrical	99.0	98.7	98.5
b Electrical household appliances & supplies	100.0†	100.0	101.4
14 Housefurnishings			
a Floor coverings	110.1	116.3	106.8
b Misc. housefurnishings	100.0	99.4	99.1
15 China & household utensils	159.6	130.7	102.0
16 Musical instruments	102.4	98.0	96.6
17 Jewelry, silverware, clocks & watches	117.7	123.2	122.9
18 Printing & publishing: books	102.0	99.7	97.3
19 Luggage	99.3	99.7	98.8
20 Passenger vehicles & accessories			
a Motor vehicles	100.0†	95.3	94.7
b Motor vehicle accessories	....	93.5‡	79.3
c Carriages & wagons	98.2	93.4	97.1
21 Motorcycles & bicycles	82.0§	83.8	77.5
22 Pleasure craft	100.0	100.0	100.0
23 Ophthalmic products & artificial limbs	100.0	100.0	100.0
24 Monuments & tombstones	100.0	100.0	100.0
Consumer Durable, Total	106.0	104.3	98.5
Consumer Commodities, Total	99.5	99.9	95.7
25 Industrial machinery & equipment & tractors			
a Industrial machinery & equipment	92.8	88.8	84.6
b Tractors	....	61.9||	85.5
26 Electrical equipment, industrial & commercial	97.5	88.0	84.1

MAJOR AND MINOR COMMODITY GROUPS	AVERAGE PERCENTAGE			
	1869, 1879, 1889-99	1900-13	1914-19	
27 Farm equipment	92.3	82.7	84.7	
28 Office & store machinery & equipment	90.7	77.4	87.4	
29 Office furniture & fixtures	99.3	98.1	96.8	
30 Locomotive & railroad cars	95.3	94.8	90.7	
31 Ships & boats	100.0	100.0	100.0	
32 Business vehicles				
a Motor	....	96.9‡	84.1
b Wagons	100.0	100.0	100.0	
33 Aircraft	....	100.0||	97.2
34 Professional & scientific equipment	79.2	83.4	92.6	
35 Carpenters' & mechanics' tools	92.5	84.7	86.1	
36 Misc. subsidiary durable equipment	99.5	98.3	95.7	
Producer Durable, Total	94.8	90.3	88.6	
Construction materials				
Manufactured	100.6	98.7	96.6	
Nonmanufactured	96.9	91.7	96.5	
* 1895-99.	† 1899.	‡ 1904-13.	§ 1889, 1895-99.	|| 1912-13.

For all consumer commodities the export-import adjustments tend to balance. The sizable excess of exports in such groups as manufactured food and kindred products, tires and tubes, passenger vehicles and accessories, and motorcycles and bicycles are compensated by the excess of imports in several of the semidurable groups and in such durable groups as floor coverings, china and household utensils, and jewelry, silverware, clocks, and watches.

Comparison of the averages for 1869, 1879, 1889-99 with those for 1900-13 suggests a declining trend in the importance of food exports and a rising one in the importance of exports in many other commodity groups.⁷ In part, this shift reflects a transition from an agricultural to an industrial economy. But the food average for 1914-19, influenced as it was by the war and its immediate aftermath, reverses the trend of that group. Moreover, during this period the United States became an importer of semidurable commodities. Even its imports of consumer durables, always large, were drastically reduced.

As exports of producer durable commodities and construction materials have usually exceeded imports, output destined for domestic consumption has been smaller than total output. The trend in these groups seems clearly to be toward greater excesses of exports.

⁷ If 1869 and 1879 were averaged separately the trend would be even more pronounced.

TABLE III 1
 Classification of Import and Export Series
 by Minor Commodity Groups

IMPORTS

EXPORTS

1 FOOD AND KINDRED PRODUCTS

Bread, biscuits & wafers; macaroni, vermicelli, & all similar preparations; rice flour & meal; wheat flour; all other breadstuffs (dutiable); cocoa & chocolate, prepared or mfd.; edible substances, n.s.p.f.; meat & dairy products, excl. sausage casings; salt; malt liquors; brandy; cordials, liqueurs, etc.; gin; whisky; wines; other beverages; sugar, candy, & confectionery; vinegar; all other spirits; beverages, n.e.s.; ginger ale or ginger beer; fish; fruits & nuts, excl. coconut meat, not shredded, & palm nut kernels; spices, ground; tea; vegetables; honey; eggs of poultry

Bran & middlings; bread & biscuits; buckwheat; corn meal & corn flour; all other cereal preparations; oatmeal & rolled oats; rye flour; wheat flour; all other breadstuffs; baking powder; infants' food; chewing gum; cocoa & chocolate, mfd. or prepared, excl. confectionery; coffee, roasted or prepared; confectionery; flavoring extracts & fruit juices; butter; cheese; condensed & evaporated milk; all other milk; meat products (finished); salt; spices; malt liquors; rum; whisky; all other distilled liquors, excl. alcohol & cologne spirits; wines; other beverages; sugar, refined; vegetables; vinegar; brandy; fruits & nuts; fish; egg yolks; canned eggs, etc.; honey

2 CIGARS, CIGARETTES AND TOBACCO

Tobacco mfrs.; pipes & smokers' articles

Cigarettes; cigars & cheroots; plug tobacco; smoking tobacco; all other tobacco mfrs.

3 DRUG, TOILET AND HOUSEHOLD PREPARATIONS

Medicinal preparations; coal-tar preparations; perfumeries, cosmetics & all toilet preparations; soap, castile, medicinal, powder, toilet & all other

Blacking & polishes; washing powder & fluid; druggists' sundries (rubber); perfumeries, cosmetics, toilet preparations; soap, toilet or fancy; soap, all other; surgical appliances, excl. instruments; medicines, patent or proprietary

4 MAGAZINES, NEWSPAPERS, STATIONERY AND SUPPLIES, AND MISCELLANEOUS PAPER PRODUCTS*

Pencils & pencil leads; penholders & pens, incl. fountain & stylographic; maps, music engraving; photographs & etchings; lithographic prints, incl. postcards, souvenir; charts; newspapers & periodicals; other printed matter, incl. booklets

Ink, except printers'; mucilage & paste; carbon paper; playing cards; adding machine paper; writing paper & envelopes; pencils & lead; pens, fountain; stationery, except paper

5a MANUFACTURED FUEL AND LIGHTING PRODUCTS

Matches: friction or lucifer

Matches; candles

5b COAL

Not compiled

* The exports of books, music, maps, engravings, etchings, photographs, and other printed matter were combined in all years during the period under consideration. The 1922 ratio of books and music to the total was used to estimate the export totals for Minor Group 18. The balance was assigned to Minor Group 4.

The import totals for Minor Group 18 are the portion of the total for books, music, maps, engravings, etchings, photographs and other printed matter on which no duties were paid. The portion on which duties were paid was assigned to Minor Group 4.

TABLE III 1 cont.

I M P O R T S	E X P O R T S
6 DRY GOODS AND NOTIONS†	
Statuary & art works; bone & horn, mfrs. of, incl. combs; buttons, pearl or shell & all other; dyed, colored, stained, painted or printed cotton cloth; cotton embroideries, incl. edgings, insertings & galloons; cotton laces & lace articles, incl. lace edgings, insertings & galloons; cotton nets & nettings; feathers & downs, on the skin or otherwise, dressed, colored, & mfd., not suitable for millinery ornaments; feathers for millinery ornaments; flowers, fruit, etc., artificial or ornamental; hair & mfrs. of; all other leather mfrs., excl. bags, satchels, shoes, gloves; silk fabrics, woven in the piece; silk laces, embroideries & articles made thereof (excl. wearing apparel); silk plushes, velvets, chenilles, or other pile fabrics; silk ribbons, not exceeding 12 inches in width; woolen & worsted cloths; wool dress goods, women's & children's; cotton veils & veiling	Statuary & art works; buttons, pearl & all other; printed, dyed-in-the-piece colored & other cotton cloths; cotton laces & embroideries; cotton sewing & crochet thread; feathers; cut flowers; all other leather mfrs.; silk dress goods; all other mfrs. of silk; wool cloth and dress goods; all other mfrs. of wool
7 CLOTHING AND PERSONAL FURNISHINGS	
Cotton handkerchiefs or mufflers; knit goods, incl. gloves, stockings, hose & all other; all other cotton wearing apparel; fibers, woven: handkerchiefs; fibers, woven: wearing apparel; fur hats, bonnets & hoods; hats, bonnets & hoods; household & personal effects & wearing apparel in use; leather gloves; silk handkerchiefs & mufflers; silk wearing apparel; umbrellas & parasols; wool wearing apparel; wool shawls; wool knit gloves; corsets; silk hosiery; clothing—ready to wear	Cotton wearing apparel; hats, & materials for; leather gloves; silk wearing apparel; hosiery, artificial silk; suspenders and garters; umbrellas & parasols; wool wearing apparel; other wearing apparel
8 SHOES AND OTHER FOOTWEAR	
Leather boots & shoes	India rubber: boots and shoes; leather boots & shoes; leather slippers
9 HOUSEFURNISHINGS (SEMIDURABLE)	
Brushes, feather dusters & hair pencils; cotton lace window curtains	Brooms; brushes; cotton blankets & comforts
10 TOYS, GAMES AND SPORTING GOODS	
Fishhooks, rods & reels, artificial bait; photographic goods—cameras & parts of; toys; firearms	Athletic & sporting goods; billiard tables & accessories; firearms; photographic goods—cameras; toys
11 TIRES AND TUBES	
None	India rubber: tires for automobiles & all other tires

† The import totals for Minor Group 6 were reduced on the basis of the census year breakdowns at the manufacturing stage of the totals between finished and unfinished commodities. The intercensal year breakdowns were estimated by straight line interpolation of the census year ratios.

TABLE III 1 cont.

<i>IMPORTS</i>	<i>EXPORTS</i>
	12 HOUSEHOLD FURNITURE
Wood furniture	Chairs; all other wood furniture, except store & office
	13a HEATING AND COOKING APPARATUS AND HOUSEHOLD APPLIANCES, EXCEPT ELECTRICAL
None	Stoves and ranges; refrigerators
	13b ELECTRICAL HOUSEHOLD APPLIANCES AND SUPPLIES
Electric lamps: incandescent	None
	14a FLOOR COVERINGS
Matting & mats for floors, of cocoa fiber, rattan, straw, etc.; oilcloth & linoleum for floors; wool carpets & carpeting	Oilcloth & linoleum for floors
	14b MISCELLANEOUS HOUSEFURNISHINGS (DURABLE)
Cotton tapestries & jacquard & figured upholstery goods; wool blankets	Oilcloth & linoleum other than for floors; wool blankets
	15 CHINA AND HOUSEHOLD UTENSILS
Earthen, stone & chinaware: china, parian, porcelain & bisque; earthen & crockery ware; glass decanters, bottles & other glassware, cut or ornamented; cutlery; table, kitchen & other utensils, or hollow ware, enameled or glazed with vitreous glasses	Chinaware; earthen and stoneware; cut or engraved glassware; all other glassware; iron and steel cutlery
	16 MUSICAL INSTRUMENTS
Musical instruments, & parts of, incl. strings; phonographs, graphophones & parts	Musical instruments; phonographs, graphophones, records & accessories
	17 JEWELRY, SILVERWARE, CLOCKS AND WATCHES
Clocks, & parts of; watches, & parts of; gold & silver, mfrs. of; jewelry; diamonds, corals, rubies, cameos, pearls & other precious stones, cut but not set, & suitable for use in the manufacture of jewelry	Clocks, & parts of; watches, & parts of; gold & silver, mfrs. of; jewelry; silver plated ware; all other plated ware
	18 PRINTING AND PUBLISHING: BOOKS*
Bibles; books & music, in raised print used exclusively by the blind; books & pamphlets printed wholly or chiefly in languages other than English; textbooks, used in schools & other educational institutions	Books & pamphlets; music in books or sheets
	19 LUGGAGE
None	Trunks, valises & traveling bags
	20a MOTORIZED PASSENGER VEHICLES
Automobiles	Automobiles, passenger
	20b MOTOR VEHICLE ACCESSORIES
Automobile parts (not incl. engines & tires)	Automobile parts (not incl. engines & tires)
	20c HORSE-DRAWN PASSENGER VEHICLES AND ACCESSORIES
Cars, carriages & parts of: all except automobiles	Carriages; wagons; parts

TABLE III 1 *cont.*

<i>IMPORTS</i>	<i>EXPORTS</i>
	21 MOTORCYCLES AND BICYCLES
Bicycles, motor & other cycles, & parts of	Bicycles, tricycles, etc.; motorcycles
	22 PLEASURE CRAFT
None	Motorboats
	23 OPHTHALMIC PRODUCTS AND ARTIFICIAL LIMBS
None	None
	24 MONUMENTS AND TOMBSTONES
None	None
	25 INDUSTRIAL MACHINERY AND EQUIPMENT
Machines, machinery, & parts of, n.e.s.	Machinery, n.e.s., excl. adding machines, calculating machines, cash registers, locomotives, electrical machinery & typewriters
	25a TRACTORS
None	Engines, traction
	26 ELECTRICAL EQUIPMENT, INDUSTRIAL AND COMMERCIAL
Electric arc lamps; all other electric lamps, excl. incandescent	Electrical machinery & appliances, excl. locomotives; instruments, electrical for scientific purposes, incl. telephone & telegraph equipment
	27 FARM EQUIPMENT
Agricultural implements	Agricultural implements; horseshoes; barbed wire; woven wire fencing
	28 OFFICE AND STORE MACHINERY AND EQUIPMENT
None	Adding & calculating machines; cash registers, & parts; scales & balances; typewriters
	29 OFFICE AND STORE FURNITURE AND FIXTURES
None	Metal furniture; safes; wood furniture, store & office
	30 LOCOMOTIVES AND RAILROAD CARS
None	Cars for railways: passenger, freight & other; cars for other railways; locomotives
	31 SHIPS AND BOATS
None	None
	32a MOTORIZED BUSINESS VEHICLES
None	Automobiles, commercial; motor warehouse & station trucks
	32b HORSE-DRAWN BUSINESS VEHICLES
None	None
	33 AIRCRAFT
None	Aeroplanes; parts of aeroplanes
	34 PROFESSIONAL AND SCIENTIFIC EQUIPMENT
Philosophical & scientific apparatus; optical instruments	Instruments for scientific purposes
	35 CARPENTERS' AND MECHANICS' TOOLS
Files, file blanks, rasps & floats; saws & tools	Tools, n.e.s.; saws; all other tools

TABLE III 1 *concl.*

IMPORTS

EXPORTS

36 MISCELLANEOUS SUBSIDIARY DURABLE EQUIPMENT

None

Emery & other abrasive wheels; wheelbarrows, pushcarts & hand trucks; fire extinguishers; rubber belting, hose & packing; leather harness & saddles

CONSTRUCTION MATERIALS

Cement: Roman, Portland, & other hydraulic; cement, all other; glass, cylinder, crown & common window glass; plate glass, cast, polished, silvered & unsilvered; iron & steel building forms & all other structural shapes; iron & steel rails for railways; paints, pigments, colors & varnishes; stone, marble & mfrs. of; stone, all other, incl. slate; wood, cedar, mahogany & all other; logs & round timber; boards, planks, deals & other sawed lumber; laths, shingles

Asphaltum: mfrs. of; brass pipes & fittings; cement, hydraulic; sanitary ware—closet bowls, lavatories, sinks, etc.; tiles, except drain; brick, building; brick, fire; glass, common window; plate glass, unsilvered; iron & steel bolts, nuts, rivets & washers; castings, n.e.s.; enamel ware—bathtubs; lavatories & sinks, all other; hardware; nails; pipes & fittings; radiators & house-heating boilers; rails of steel; structural iron & steel; lime; paints, colors & varnishes; plaster, builders' & common; roofing felt & similar materials; stone-roofing slate; doors, sash & blinds; wood trimmings, moldings & other house finishings; sand & gravel; stone, unmd.; wood: logs; timber; railroad ties; boards, planks, etc.; shingles; all other lumber

TABLE III 2
 Export Values before Application of Reduction Percentages
 1869, 1879, 1889-1919
 (thousands of dollars)
 Major and Minor Commodity Groups

	PERISHABLE						TOTAL
	1a	1b	2	3	4	5a	
1869	52,548	1,888	1,604	1,273	360	376	58,049
1879	148,651	2,092	2,214	1,881	736	232	155,806
1889	220,232	12,829	3,833	2,906	1,237	142	241,179
1890	249,211	8,914	4,019	3,308	1,285	157	266,894
1891	244,189	11,478	4,279	3,057	1,185	164	264,352
1892	236,353	11,722	3,872	3,465	1,107	217	256,736
1893	198,091	8,086	4,021	3,425	1,471	238	215,332
1894	221,705	22,663	3,837	3,536	1,543	272	253,556
1895	183,131	11,793	4,190	4,392	1,497	288	205,291
1896	189,470	13,691	4,719	4,375	1,576	322	214,153
1897	207,756	15,543	4,966	4,535	1,593	290	234,683
1898	252,479	16,797	5,136	4,710	1,497	321	280,940
1899	258,975	18,119	5,201	5,994	1,828	360	290,477
1900	259,052	21,126	5,737	6,165	2,298	304	294,682
1901	278,224	17,854	5,376	6,103	2,631	325	310,513
1902	282,581	25,426	5,524	6,663	3,286	439	323,919
1903	241,633	29,917	6,057	8,009	3,287	564	289,467
1904	216,540	30,387	6,295	8,465	4,118	698	266,503
1905	242,033	28,278	6,643	9,931	4,575	687	292,147
1906	266,726	29,636	6,960	10,728	5,006	632	319,688
1907	260,281	30,031	6,442	11,714	5,632	537	314,637
1908	240,859	30,111	5,808	12,081	5,091	294	294,244
1909	204,063	35,215	6,030	11,715	5,548	353	262,924
1910	185,196	40,241	5,716	12,787	6,284	291	250,515
1911	214,937	54,117	5,775	14,645	6,192	278	295,944
1912	216,716	57,399	6,807	16,031	7,039	257	304,249
1913	236,895	58,183	8,200	16,977	8,719	253	329,227
1914	238,897	57,499	8,304	17,700	7,627	308	330,335
1915	438,202	76,298	7,622	22,933	7,999	497	553,551
1916	523,054	85,894	12,349	23,788	12,006	1,195	658,286
1917	712,688	91,139	18,463	30,190	14,579	1,321	868,380
1918	1,312,374	106,006	32,462	39,434	17,604	1,756	1,509,636
1919	1,671,231	239,290	49,652	44,930	31,622	2,364	2,039,089

1a Food and kindred products, mfd.

1b Food and kindred products, nonmfd.

2 Cigars, cigarettes, & tobacco

3 Drug, toilet, & household preparations

4 Magazines, newspapers, stationery & supplies, & misc. paper products

5a Fuel & lighting products, mfd.

TABLE III 2 *cont.*

	SEMIDURABLE						TOTAL
	6	7	8	9	10	11	
1869	2,524	813	442	154	2,051	...	5,984
1879	3,732	772	441	112	2,400	...	7,457
1889	3,860	529	770	154	949	...	6,262
1890	3,766	618	795	152	826	...	6,157
1891	3,513	768	823	157	846	...	6,107
1892	3,106	607	1,042	210	830	...	5,795
1893	5,023	805	932	216	830	...	7,806
1894	5,178	779	1,091	187	741	...	7,976
1895	4,966	988	1,480	152	1,015	...	8,601
1896	5,887	1,090	1,764	182	866	720	10,509
1897	6,429	1,314	1,926	184	781	642	11,276
1898	6,854	1,547	2,169	162	828	609	12,169
1899	7,224	2,043	3,995	235	1,080	624	15,201
1900	7,068	2,332	5,347	241	1,665	659	17,312
1901	10,823	2,980	7,064	267	1,193	738	23,065
1902	12,534	3,823	7,774	277	1,279	851	26,538
1903	11,071	5,223	8,859	312	1,537	1,063	28,065
1904	10,874	5,841	9,254	318	1,954	990	29,231
1905	12,334	6,908	10,939	393	2,323	1,199	34,096
1906	13,530	8,198	12,084	413	3,249	1,389	38,863
1907	13,325	9,296	14,768	505	3,904	1,668	43,466
1908	12,824	7,361	12,539	525	3,136	1,515	37,900
1909	15,158	8,818	14,566	569	4,281	1,867	45,259
1910	19,276	10,711	17,177	719	4,357	2,532	54,772
1911	21,358	12,145	18,489	818	4,788	3,424	61,022
1912	23,916	15,629	20,898	755	6,145	4,444	71,787
1913	24,264	16,649	22,409	695	7,792	5,263	77,072
1914	27,899	22,112	20,961	566	7,351	4,488	83,377
1915	69,540	54,444	43,442	1,155	15,397	14,259	198,237
1916	83,083	53,646	48,759	1,273	47,177	18,975	252,913
1917	105,222	40,409	43,545	2,335	102,069	17,966	311,546
1918	110,152	50,487	39,671	3,884	35,530	17,090	256,814
1919	153,130	100,375	83,914	5,430	22,343	32,557	397,749

6 Dry goods & notions

7 Clothing & personal furnishings

8 Shoes & other footwear

9 Housefurnishings

10 Toys, games, & sporting goods

11 Tires & tubes

TABLE III 2 cont.

	CONSUMER DURABLE							
	12	13a	14a	14b	15	16	17	18
1869	1,246	102	...	...	749	268	679	165
1879	1,604	83	...	...	867	757	1,862	313
1889	2,992	283	...	39	1,191	1,052	3,155	891
1890	3,008	232	...	36	1,132	1,293	2,817	950
1891	3,068	253	...	31	1,274	1,224	2,946	876
1892	2,973	205	...	14	1,305	1,653	2,120	834
1893	3,335	236	...	45	1,284	1,244	2,657	1,131
1894	3,241	241	...	42	1,200	1,068	2,200	1,183
1895	3,152	289	...	33	1,298	1,153	2,515	1,153
1896	3,434	304	...	48	1,459	1,269	2,738	1,222
1897	3,889	361	...	55	1,586	1,284	2,931	1,228
1898	3,418	449	29	137	1,691	1,595	3,109	1,172
1899	3,877	524	40	158	2,444	1,960	3,343	1,326
1900	4,126	567	52	266	2,814	2,113	3,915	1,577
1901	4,123	656	89	233	2,827	3,599	4,105	1,750
1902	4,332	869	48	196	2,984	3,451	4,128	2,129
1903	5,017	1,057	83	295	3,233	3,427	4,511	2,095
1904	4,567	898	71	279	3,518	3,201	4,543	2,285
1905	5,232	1,115	86	274	3,993	3,255	5,106	2,592
1906	5,535	1,441	90	338	4,539	3,256	5,901	2,837
1907	6,409	1,490	135	345	5,011	3,571	6,081	3,309
1908	5,001	1,142	131	240	4,305	2,932	4,425	3,012
1909	5,406	1,300	172	338	4,630	3,158	4,777	3,147
1910	6,617	1,474	149	405	5,631	6,195	5,611	4,091
1911	6,737	1,820	197	390	6,349	6,808	6,554	4,047
1912	7,732	2,266	191	679	8,374	6,512	6,874	4,666
1913	8,023	2,166	153	703	5,296	6,771	6,374	4,794
1914	4,980	1,663	109	565	4,345	4,629	4,444	4,312
1915	3,398	2,081	151	937	7,842	4,699	5,795	3,902
1916	4,039	2,113	349	1,210	12,235	7,029	7,820	4,913
1917	4,751	2,783	490	1,376	13,206	9,645	8,662	5,389
1918	3,585	2,134	1,426	3,973	12,837	9,168	8,283	5,552
1919	4,786	3,124	1,796	2,761	21,590	13,410	14,036	8,809

12 Household furniture

13a Heating & cooking apparatus & household appliances, except electrical

14a Floor coverings

14b Misc. housefurnishings

15 China & household utensils

16 Musical instruments

17 Jewelry, silverware, clocks & watches

18 Printing & publishing: books

TABLE III 2 cont.

CONSUMER DURABLE							
	19	20a	20b	20c	21	22	TOTAL
1869	75	...	...	445	...	...	3,729
1879	163	...	...	892	...	...	6,541
1889	189	...	...	2,004	...	...	11,796
1890	223	...	...	1,898	...	...	11,589
1891	179	...	...	2,094	...	...	11,945
1892	160	...	...	1,610	...	...	10,874
1893	137	...	...	1,654	...	...	11,723
1894	110	...	...	1,601	...	...	10,886
1895	110	...	...	1,626	...	...	11,329
1896	103	...	...	1,912	3,796	...	16,285
1897	103	...	...	1,851	6,903	...	20,191
1898	112	...	...	1,586	7,092	...	20,390
1899	142	218	...	2,158	4,820	...	21,010
1900	112	297	...	2,773	3,061	...	21,673
1901	109	367	...	2,667	2,599	...	23,124
1902	189	1,070	...	2,987	2,581	...	24,964
1903	179	1,643	...	3,514	2,099	...	27,153
1904	201	1,898	...	3,255	1,622	...	26,338
1905	233	2,824	...	3,697	1,320	...	29,727
1906	260	4,481	...	4,270	1,405	...	34,353
1907	314	5,489	677	4,462	1,083	...	38,376
1908	219	4,769	666	3,883	702	303	31,730
1909	261	7,224	1,016	3,864	681	437	36,411
1910	...	11,688	2,136	5,051	729	407	50,184
1911	...	16,257	3,435	5,471	962	544	59,571
1912	443	23,840	4,808	5,205	1,211	881	73,682
1913	548	26,741	6,423	2,251	1,499	711	72,453
1914	334	20,890	5,841	1,550	1,753	505	55,920
1915	447	37,260	16,935	1,047	3,432	844	88,770
1916	446	46,482	24,399	817	4,313	518	116,683
1917	496	55,173	32,219	997	4,470	1,514	141,171
1918	359	37,997	34,220	576	3,710	3,664	127,484
1919	742	76,813	43,248	863	9,922	359	202,259

19 Luggage

20a Motor vehicles

20b Motor vehicle accessories

20c Carriages & wagons

21 Motorcycles & bicycles

22 Pleasure craft

TABLE III 2 cont.

	PRODUCER DURABLE							
	25a	25b	26	27	28	29	30	32a
1869	4,456	...	...	1,068	117	...	876	...
1879	5,296	...	...	2,656	195	...	1,265	...
1889	11,715	...	...	4,589	335	...	3,545	...
1890	13,532	...	...	3,696	307	...	4,416	...
1891	14,560	...	...	3,760	314	...	3,901	...
1892	14,282	...	...	4,722	359	...	2,080	...
1893	14,156	...	...	5,700	372	...	3,746	...
1894	13,803	...	...	5,426	292	...	2,264	...
1895	15,952	...	...	6,016	388	...	3,132	...
1896	22,103	...	...	5,549	1,063	...	3,814	...
1897	24,631	...	917	6,494	1,936	46	4,304	...
1898	30,807	...	2,524	10,610	2,406	177	7,255	...
1899	37,821	...	3,143	16,392	3,684	453	7,350	...
1900	42,872	...	5,286	18,310	4,141	415	9,032	...
1901	32,880	...	7,499	19,146	4,397	395	9,334	...
1902	37,230	...	10,043	20,601	5,304	294	7,534	...
1903	38,961	...	10,030	25,789	7,135	355	6,397	...
1904	44,005	...	11,133	24,693	6,633	413	7,821	...
1905	52,538	...	13,216	25,750	8,066	594	11,795	...
1906	62,710	...	16,841	29,259	9,335	705	16,225	...
1907	71,234	...	17,760	30,295	10,169	889	21,172	...
1908	55,306	...	12,773	28,999	9,437	683	6,844	...
1909	55,427	...	13,211	31,351	11,057	716	6,822	427
1910	74,155	...	17,235	35,874	12,771	801	9,502	695
1911	87,290	...	19,936	41,615	16,383	1,045	14,325	987
1912	97,557	5,001	24,137	46,433	18,095	1,343	16,355	1,470
1913	106,764	3,802	29,430	58,293	18,193	1,427	22,059	1,687
1914	79,967	972	21,085	27,367	12,852	1,004	8,118	8,986
1915	118,076	1,303	25,342	30,959	10,089	1,006	21,833	59,839
1916	201,112	6,209	41,644	55,084	15,438	1,767	40,097	52,948
1917	233,675	16,521	57,339	55,695	14,202	2,055	57,206	36,755
1918	227,419	24,402	61,699	58,091	11,304	2,731	41,121	27,164
1919	309,953	20,026	90,948	54,531	27,972	4,514	89,487	35,918

25a Industrial machinery & equipment

25b Tractors

26 Electrical equipment, industrial & commercial

27 Farm equipment

28 Office & store machinery & equipment

29 Office & store furniture & fixtures

30 Locomotives & railroad cars

32a Business vehicles, motor

TABLE III 2 cont.

	PRODUCER DURABLE					
	33	34	35	36	TOTAL	
1869	...	9	310	81	6,917	
1879	...	42	898	165	10,517	
1889	...	571	1,975	368	23,098	
1890	...	616	1,831	416	24,814	
1891	...	642	1,901	467	25,545	
1892	...	468	1,838	811	24,560	
1893	...	658	1,886	389	26,907	
1894	...	664	2,019	409	24,877	
1895	...	882	2,012	442	28,824	
1896	...	1,117	2,353	501	36,500	
1897	...	1,268	2,377	473	42,446	
1898	...	1,364	2,636	442	58,221	
1899	...	2,341	3,479	575	75,238	
1900	...	2,790	3,714	1,007	87,567	
1901	...	2,638	3,629	954	80,872	
1902	...	1,384	4,358	1,078	87,826	
1903	...	1,996	5,292	1,486	97,441	
1904	...	1,865	5,726	1,764	104,053	
1905	...	2,085	6,772	2,195	123,011	
1906	...	2,937	7,252	2,565	147,829	
1907	...	3,174	9,635	2,771	167,099	
1908	...	2,215	7,553	2,374	126,184	
1909	...	1,278	7,100	3,148	130,537	
1910	...	1,684	8,703	3,917	165,337	
1911	...	1,850	10,749	4,233	198,413	
1912	113	1,972	12,554	4,891	229,921	
1913	61	1,804	12,516	4,876	260,912	
1914	253	1,782	8,864	6,696	177,946	
1915	2,960	3,722	11,551	21,867	308,547	
1916	114	7,427	17,583	14,409	453,832	
1917	1,100	5,138	24,947	11,772	516,405	
1918	607	4,557	21,206	11,309	491,610	
1919	215	6,092	33,205	11,975	684,836	

33 Aircraft

34 Professional & scientific equipment

35 Carpenters' & mechanics' tools

36 Misc. subsidiary durable equipment

TABLE III 2 *concl.*
CONSTRUCTION MATERIALS

	TOTAL FINISHED COMMODITIES	Mfd.	Nonmfd.	Total	TOTAL ALL COMMODITIES
1869	74,679	648	5,337	5,985	80,664
1879	180,321	1,013	4,879	5,892	186,213
1889	282,335	3,840	11,951	15,791	298,126
1890	309,454	4,860	12,488	17,348	326,802
1891	307,949	4,671	11,680	16,351	324,300
1892	297,965	4,842	15,768	20,610	318,575
1893	261,768	4,692	15,251	19,943	281,711
1894	297,295	4,871	15,690	20,561	317,856
1895	254,045	5,435	15,447	20,882	274,927
1896	277,447	7,228	19,280	26,508	303,955
1897	308,596	9,940	22,508	32,448	341,044
1898	371,720	14,882	21,104	35,986	407,706
1899	401,926	21,378	26,200	47,578	449,504
1900	421,234	23,321	31,229	54,550	475,784
1901	437,574	20,166	28,575	48,741	486,315
1902	463,247	22,967	29,218	52,185	515,432
1903	442,126	24,427	40,603	65,030	507,156
1904	426,125	27,135	39,742	66,877	493,002
1905	478,981	31,807	37,477	69,284	548,265
1906	540,733	35,952	53,190	89,142	629,875
1907	563,578	43,378	60,037	103,415	666,993
1908	490,058	33,103	46,161	79,264	569,322
1909	475,131	35,649	47,502	83,151	558,282
1910	520,808	45,523	53,666	99,189	619,997
1911	614,950	54,456	66,549	121,005	735,955
1912	679,639	64,723	74,739	139,462	819,101
1913	739,664	74,527	82,891	157,418	897,082
1914	647,578	47,302	54,012	101,314	748,892
1915	1,149,105	59,415	35,194	94,609	1,243,714
1916	1,481,714	101,003	36,109	137,112	1,618,826
1917	1,837,502	133,876	45,288	179,164	2,016,666
1918	2,385,544	126,490	58,207	184,697	2,570,241
1919	3,323,933	174,938	82,175	257,113	3,581,046