

UNITED STATES TARIFF COMMISSION

SHEET GLASS (BLOWN OR DRAWN FLAT GLASS)

Report to the President (No. TEA-IR-7-66)
Under Section 351(d)(1) of the Trade
Expansion Act of 1962



TC PUBLICATION 178
WASHINGTON, D.C.
JUNE 1966

UNITED STATES TARIFF COMMISSION

Paul Kaplowitz, Chairman

Glenn W. Sutton

James W. Culliton

Dan H. Fenn, Jr.

Penelope H. Thunberg

Donn N. Bent, Secretary

**Address all communications to
United States Tariff Commission
Washington, D.C. 20436**

C O N T E N T S

	<u>Page</u>
Introduction-----	1
Summary of significant developments-----	2
U.S. consumption-----	2
U.S. producers-----	3
U.S. production, shipments, inventories, and employment-----	3
Prices-----	4
U.S. imports-----	5
Statistical appendix-----	6

Tables

1.--Sheet glass weighing over 4 ounces per square foot: U.S. rates of duty provided in the Tariff Schedules of the United States (TSUS), effective Aug. 31, 1963-----	7
2.--Sheet glass weighing over 4 ounces per square foot: Average ad valorem equivalents of U.S. specific rates of duty imposed on sheet glass entitled to most-favored-nation tariff treatment, imported during 1961, 1963-65-----	9
3.--Sheet glass: Shipments by U.S. producers, U.S. exports of domestic merchandise, U.S. imports for consumption, and apparent U.S. consumption, 1955-65-----	10
4.--Indexes of U.S. producers' shipments of sheet glass, apparent U.S. consumption of sheet glass, and selected U.S. business indicators, 1955-65-----	11
5.--Sheet glass: Shipments by U.S. producers, and U.S. imports for consumption, by thickness (weight per square foot) and by kinds, 1961-65-----	12
6.--Sheet glass: U.S. production and U.S. producers' yearend inventories, 1961-65-----	13
7.--Employment in U.S. establishments in which sheet glass was produced, 1961-65-----	14

Tables--Continued

	<u>Page</u>
8.--Single-strength sheet glass: Tariff Commission indexes of prices of glass produced in the United States and delivered to direct-factory buyers in certain U.S. cities, and price indexes reported by the Bureau of Labor Statistics, 1957-59 base period to May 1, 1966----	15
9.--Delivered prices of representative sizes of domestic and West European sheet glass to direct-factory buyers in New York City on selected dates, 1960-66-----	16
10.--Sheet glass: U.S. imports for consumption entered at most-favored-nation rates of duty, by tariff provisions, 1961-65-----	17
11.--Sheet glass: U.S. imports for consumption, by principal sources, 1961-65-----	18

(TC28595)

REPORT TO THE PRESIDENT

U.S. Tariff Commission,
June 10, 1966.

To the President:

This report is made pursuant to section 351(d)(1) of the Trade Expansion Act of 1962 (76 Stat. 900), which provides that--

So long as any increase in, or imposition of, any duty or other import restriction pursuant to this section or pursuant to section 7 of the Trade Agreements Extension Act of 1951 remains in effect, the Tariff Commission shall keep under review developments with respect to the industry concerned, and shall make annual reports to the President concerning such developments.

Introduction

This is the third annual report relating to developments in the sheet glass industry which the Commission has issued since the President increased the duties on sheet glass (effective after the close of business on June 17, 1962). ^{1/} This report focuses on developments that have occurred since the Commission submitted its report to the President on June 11, 1965, under section 351(d)(2) of the Trade Expansion Act of 1962. ^{2/}

^{1/} The rates of duty were increased after a Tariff Commission investigation under section 7 of the Trade Agreements Extension Act of 1951, by Presidential Proclamation No. 3455 of March 19, 1962 as modified by Proclamation No. 3458 of March 27, 1962. The U.S. rates of duty on sheet glass and the ad valorem equivalents thereof are shown in tables 1 and 2, respectively.

^{2/} U.S. Tariff Commission, Drawn or Blown Flat Glass (Sheet Glass): Report to the President on Investigation No. TEA-IA-4 Under Section 351(d)(2) of the Trade Expansion Act of 1962, TC Publication 158, 1965 (processed). The report advised the President of the Commission's judgment as to the probable economic effect on the domestic industry producing sheet glass of the reduction or termination of the increases in the rates of duty on sheet glass proclaimed in 1962. That report was also submitted as the Commission's second annual report on sheet glass for the purposes of sec. 351(d)(1) of the Act.

Summary of Significant Developments

The apparent U.S. consumption of sheet glass was slightly smaller in 1965 than in 1964. U.S. production, shipments by U.S. producers, and employment in the U.S. production of sheet glass were virtually unchanged from 1964. Imports of sheet glass were significantly smaller in 1965 than in 1964.

Prices of sheet glass, which were subject to selective declines during late 1964 and the first half of 1965, advanced moderately during early 1966. The prices prevailing on May 1, 1966, however, were still generally lower than those on November 1, 1964.

The smallest domestic sheet glass concern came under new ownership early in 1966, and the new owner closed the plant shortly thereafter.

During 1965 one domestic producer converted one of its two sheet glass furnaces to the production of float glass. Another began construction of a new sheet glass plant in California early in 1966.

U.S. Consumption

The apparent annual U.S. consumption of sheet glass has varied little since 1962, when the escape-clause action was taken. The apparent consumption in 1965 was slightly smaller (about 2 percent) than that in 1964 (table 3). The reduced consumption in 1965 is attributable primarily to the decline in residential construction, which constitutes the principal market for sheet glass (table 4).

U.S. Producers

The productive capacity of the U.S. producers of sheet glass during the first months of 1966 was virtually the same as that during 1964. Although the number of furnaces has been reduced by two since 1964, the effect of this loss, on capacity, has been offset by continuing modernization programs throughout the industry and by the enlargement of some furnaces.

Early in 1966 the smallest sheet glass producer, the Blackford Window Glass Co., was sold. Shortly thereafter the new owner closed down the only furnace at the Blackford plant. During 1965 another U.S. producer converted one of its two sheet glass furnaces to the production of float glass. In March 1966, however, a major producer began construction of a sheet glass plant in Fresno, Calif., the first such plant to be established west of the Rocky Mountains.

U.S. Production, Shipments, Inventories,
and Employment

Shipments of sheet glass by the U.S. producers in 1965 were about equal to those in 1964 (table 3). Slight reductions in shipments of thin sheet glass and window glass were offset by a moderate increase in shipments of heavy sheet glass (table 5). ^{1/}

^{1/} For the purpose of this report, thin sheet glass denotes glass weighing not over 16 ounces per square foot, window glass denotes glass weighing over 16 but not over 28 ounces per square foot, and heavy sheet glass denotes glass weighing over 28 ounces per square foot.

Variations in the annual production of sheet glass have generally corresponded closely with changes in U.S. producers' shipments. Accordingly, the U.S. production of sheet glass in 1965 was virtually unchanged (0.1 percent greater) from that in 1964 (table 6). Man-hours of employment in the production of sheet glass in 1965 increased by less than 1 percent from that in 1964 (table 7).

The U.S. production of sheet glass exceeded shipments in 1965 for the second consecutive year. Consequently, producers' inventories at the close of 1965 increased to the highest on record (table 6) and were equivalent to 13 percent of shipments in that year.

Prices

During 1965 and early 1966 the prices charged for sheet glass, both domestic and imported, were changed frequently. The changes varied with the thickness and surface area of the glass, the quantities purchased, and the type of packing utilized (tables 8 and 9). In general the prices of window glass declined slightly from November 1964 to May 1966, while those of heavy sheet glass increased slightly (tables 8 and 9).

In addition, several changes in pricing practices occurred during 1964-65 and early 1966 which cannot be readily quantified. These developments include the offering of special discounts for glass in extra large and/or modified containers, special discounts for extra large volume orders, and very substantial discounts for glass of certain dimensions especially economical to manufacture, as well as the elimination

of fractional cutting charges. The aggregate effect of the aforementioned changes (all of which applied to both domestic and imported glass) is a significant reduction in the weighted average price of sheet glass.

For a short time (July 1965 through April 1966), the domestic producers offered special thicknesses of window glass (18- and 24-ounce) at a discount from the prices charged for the standard thicknesses (19- and 26-ounce). (The foreign manufacturers have offered 18- and 24-ounce glass to the U.S. market for a number of years.)

U.S. Imports

U.S. imports of sheet glass from all sources were 11 percent smaller in 1965 than in 1964. The reduction in imports in 1965 reflected largely a 13-percent decline in imports dutiable at most-favored-nation rates (table 10) (such imports constitute the preponderant part of total sheet glass imports), which was partially offset by an increase in imports dutiable at full rates (table 3).

Imports of thin sheet glass increased slightly in 1965, whereas imports of window glass and heavy sheet glass, the two major thickness categories, declined (table 5). The reduction in imports in 1965 can be attributed to several factors, including dock strikes and a decline in residential construction.

Belgium, Japan, and West Germany (in that order) continue to be the principal sources of imported sheet glass (table 11).

Statistical Appendix

Table 1.--Sheet glass weighing over 4 ounces per square foot: U.S. rates of duty provided in the Tariff Schedules of the United States (TSUS), effective Aug. 31, 1963 1/

(In cents per pound and percent ad valorem)

Item	TSUS appendix <u>2/</u> Article	TSUS item	Statutory rate <u>3/</u>	Trade- agreement rate <u>4/</u>	Escape- action rate <u>5/</u>
	Glass (including blown or drawn glass, but excluding cast or rolled glass and excluding pressed or molded glass) (whether or not containing wire netting), in rectangles, not ground, not polished and not otherwise processed, weighing over 4 oz. per sq. ft., provided for in TSUS items 542.11-.98, inclusive:				
	Ordinary glass:				
	Weighing over 4 oz. but not over 12 oz. per sq. ft.:				
923.11	Measuring not over 40 united inches--	542.11	1.5¢	0.7¢	1.3¢
923.13	Measuring over 40 united inches-----	542.13	1.9¢	.9¢	1.6¢
	Weighing over 12 oz. but not over 16 oz. per sq. ft.:				
923.21	Measuring not over 40 united inches--	542.21	2.1¢	1.0¢	1.3¢
923.23	Measuring over 40 but not over 60 united inches-----	542.23	2.4¢	1.1¢	1.6¢
923.25	Measuring over 60 united inches-----	542.25	2.5¢	1.2¢	1.9¢
	Weighing over 16 oz. but not over 28 oz. per sq. ft.:				
923.31	Measuring not over 40 united inches--	542.31	1.5¢	.7¢	1.3¢
923.33	Measuring over 40 but not over 60 united inches-----	542.33	1.9¢	.9¢	1.6¢
923.35	Measuring over 60 but not over 100 united inches-----	542.35	2.4¢	1.1¢	1.9¢
923.37	Measuring over 100 united inches-----	542.37	2.8¢	1.4¢	2.4¢
	Weighing over 28 oz. per sq. ft.:				
923.42	Not over 2-2/3 sq. ft. in area-----	542.42	1.5¢	.7¢	1.3¢
923.44	Over 2-2/3 but not over 7 sq. ft. in area-----	542.44	1.9¢	.9¢	1.6¢
923.46	Over 7 but not over 15 sq. ft. in area-----	542.46	2.4¢	1.1¢	1.9¢
923.48	Over 15 but not over 16-2/3 sq. ft. in area-----	542.48	2.8¢	1.4¢	2.4¢
923.49	Over 16-2/3 sq. ft. in area-----	542.48	2.8¢	1.4¢	3.5¢

See footnotes at end of table.

Table 1.--Sheet glass weighing over 4 ounces per square foot: U.S. rates of duty provided in the Tariff Schedules of the United States (TSUS), effective Aug. 31, 1963 1/--Continued

(In cents per pound and percent ad valorem)

Item	TSUS appendix <u>2/</u> Article	TSUS item	Statutory rate <u>3/</u>	Trade- agreement rate <u>4/</u>	Escape- action rate <u>5/</u>
	Glass (including blown or drawn glass, * * * provided for in TSUS items 542.11-.98, inclusive--Continued				
	Colored or special glass:				
923.57	Weighing over 4 oz. but not over 12 oz. per sq. ft.-----	542.57	4.0¢	1.7¢	2.2¢
923.67	Weighing over 12 oz. but not over 16 oz. per sq. ft.-----	542.67	13.0¢	6.0¢	9.0¢
	Weighing over 16 oz. but not over 28 oz. per sq. ft.:				
923.71	Measuring not over 40 united inches--	542.71	1.5¢ + 5%	0.7¢ + 2.5%	1.3¢ + 2.5%
923.73	Measuring over 40 but not over 60 united inches-----	542.73	1.9¢ + 5%	0.9¢ + 2.5%	1.6¢ + 2.5%
923.75	Measuring over 60 but not over 90 united inches-----	542.75	2.4¢ + 5%	1.1¢ + 2.5%	1.9¢ + 2.5%
923.77	Measuring over 90 united inches-----	542.77	2.8¢ + 5%	1.4¢ + 2.5%	2.4¢ + 2.5%
	Weighing over 28 oz. per sq. ft.:				
923.92	Not over 2-2/3 sq. ft. in area-----	542.92	1.5¢ + 5%	0.7¢ + 2.5%	1.3¢ + 2.5%
923.94	Over 2-2/3 but not over 7 sq. ft. in area-----	542.94	1.9¢ + 5%	0.9¢ + 2.5%	1.6¢ + 2.5%
923.96	Over 7 but not over 15 sq. ft. in area-----	542.96	2.4¢ + 5%	1.1¢ + 2.5%	1.9¢ + 2.5%
923.98	Over 15 but not over 16-2/3 sq. ft. in area-----	542.98	2.8¢ + 5%	1.4¢ + 2.5%	2.4¢ + 2.5%
923.99	Over 16-2/3 sq. ft. in area-----	542.98	2.8¢ + 5%	1.4¢ + 2.5%	3.5¢ + 2.5%
924.00	Glass, cut to other than rectangular shape, and: glass, whether in rectangles or cut to other than rectangular shape, subjected to proc- essing, all the foregoing glass provided for in TSUS item 544.17 if drawn or blown and not containing wire netting and not surface ground or polished-----	544.17	60%	15%	22.5%

1/ The rates of duty provided in the TSUS and the TSUS appendix were placed in effect by Presidential Proclamation No. 3548.

2/ TSUS rates of duty and descriptions of articles that were the subject of Presidential proclamations under the escape-clause procedure are shown in the TSUS appendix.

3/ Rates of duty currently applied pursuant to secs. 231 and 257(e) of the Trade Expansion Act of 1962 to the products of countries or areas designated as Communist dominated or controlled, except the rates on TSUS appendix items 923.49 and 923.99. The applicable rates on these two items are the higher escape-action rates.

4/ The most recent rates of duty placed in effect as a result of a concession granted under the General Agreement on Tariffs and Trade, as modified by proclamation of the TSUS. The rates provided in the concession were in effect until June 17, 1962.

5/ Temporary rates of duty placed in effect June 17, 1962, by Presidential Proclamation No. 3455 under the escape-clause procedure, as modified by proclamation of the TSUS.

Table 2.--Sheet glass weighing over 4 ounces per square foot: Average ad valorem equivalents of U.S. specific rates of duty ^{1/} imposed on sheet glass entitled to most-favored-nation tariff treatment, imported during 1961, and 1963-65

Description	Average ad valorem equivalents			
	1961 ^{2/}	1963 ^{2/}	1964	1965
Sheet glass weighing not over 28 ounces per square foot and measuring in united inches--	Percent	Percent	Percent	Percent
Not over 40-----	8.3	17.6	18.3	18.2
Over 40 but not over 60-----	13.3	27.8	26.2	28.2
Over 60 but not over 100-----	14.6	29.3	27.2	28.4
Over 100-----	17.1	31.2	30.6	33.5
Sheet glass weighing over 28 ounces per square foot and measuring in square feet--				
Not over 2-2/3-----	11.4	25.2	22.9	23.2
Over 2-2/3 but not over 7-----	12.1	25.4	25.1	26.4
Over 7 but not over 15-----	14.3	27.9	27.0	29.8
Over 15-----	17.2	56.9	53.6	59.4

^{1/} The ad valorem equivalents shown here do not include the $2\frac{1}{2}$ percent ad valorem additional rate of duty applicable to sheet glass when bent, beveled, colored, etc.

^{2/} The TSUS nomenclature for sheet glass which was placed in effect on Aug. 31, 1963, differs somewhat from the nomenclature provided in the Tariff Act of 1930. The ad valorem equivalents for the periods prior to Aug. 31, 1963, are therefore partially estimated.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 3.--Sheet glass: 1/ Shipments by U.S. producers, U.S. exports of domestic merchandise, U.S. imports for consumption, and apparent U.S. consumption, 1955-65

Item	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
	Quantity (million pounds)										
Shipments by U.S. producers-----	1,590.0	1,576.2	1,256.6	1,117.3	1,580.0	1,265.7	1,273.8	1,443.2	1,556.0	1,530.0	1,532.1
U.S. exports <u>2/</u> -----	5.3	3.9	2.5	3.0	3.2	4.3	3.0	3.5	3.9	4.2	4.0
U.S. imports for consumption--											
At most-favored-nation rates	238.5	312.1	210.8	292.4	491.4	391.3	350.0	435.0	376.3	446.3	389.3
At full rates of duty-----	6.8	17.9	3.2	11.0	15.6	19.2	25.4	35.6	17.5	32.3	38.4
Total (all rates of duty)-----	245.3	330.0	214.0	303.4	507.0	410.5	375.4	470.6	393.8	478.6	427.7
Apparent U.S. consumption-----	1,830.0	1,902.3	1,468.1	1,417.7	2,083.8	1,671.9	1,646.2	1,910.3	1,945.9	2,004.4	1,955.8
	Percent of U.S. consumption										
Share supplied by--											
Shipments <u>4/</u> by U.S. producers--	86.6	82.7	85.4	78.6	75.7	75.4	77.2	75.4	79.8	76.1	78.1
U.S. imports for consumption--											
At most-favored-nation	13.0	16.4	14.4	20.6	23.6	23.4	21.3	22.8	19.3	22.3	19.9
At full rates of duty-----	.4	.9	.2	.8	.7	1.2	1.5	1.8	.9	1.6	2.0
Total (all rates of duty)---	13.4	17.3	14.6	21.4	24.3	24.6	22.8	24.6	20.2	23.9	21.9

1/ Prior to Aug. 31, 1963, dutiable under par. 219 or pars. 219 and 224 of the Tariff Act of 1930. Currently dutiable in accordance with escape-clause provisions under TSUS items 923.11-924.00, inclusive. Such imports are reported statistically under TSUSA items 542.1100-542.9840, inclusive, and item 544.1720.

2/ Official statistics are reported in square feet and have been converted to pounds at the ratio of 1 sq. ft.=1.16 pounds. Data do not include colored glass; it is believed, however, that exports of colored glass are considerably smaller than exports of glass not colored.

3/ Includes imported float glass, beginning in 1960 through Aug. 31, 1963; the quantity of float glass imported is very small compared with that of total imports of sheet glass.

4/ Less exports.

Source: Compiled from official statistics of the U.S. Department of Commerce, and from information submitted to the U.S. Tariff Commission by U.S. producers.

Table 4.--Indexes of U.S. producers' shipments of sheet glass, apparent U.S. consumption of sheet glass, and selected U.S. business indicators, 1955-65

(1957-59=100)

Year	U.S. producers' shipments of sheet glass <u>1/</u>		Apparent U.S. consumption of sheet glass <u>2/</u>		Selected U.S. business indicators				
	U.S. producers' shipments of sheet glass <u>1/</u>	U.S. consumption of sheet glass <u>2/</u>	Total industrial production <u>3/</u>	Residential construction <u>4/</u>	Automobile production <u>5/</u>	Total industrial production <u>3/</u>	Residential construction <u>4/</u>	Automobile production <u>5/</u>	
1955	121	111	91	110	139				
1956	120	115	100	98	103				
1957	95	89	101	91	112				
1958	85	86	94	96	80				
1959	120	126	106	113	108				
1960	96	101	109	99	131				
1961	97	99	110	99	109				
1962	110	115	118	109	136				
1963	118	118	124	113	150				
1964	116	121	132	112	151				
1965	116	118	143	110	183				

1/ Based on the number of pounds shipped; includes exports.

2/ Based on the number of pounds of U.S. producers' shipments, less exports, plus imports for consumption.

3/ Based on the Federal Reserve Index of Quantity Output; includes durable and nondurable goods, mining, and utilities.

4/ Based on the value of public residential and nonfarm private residential construction put in place, adjusted to constant dollars.

5/ Based on the Federal Reserve Index of Quantity Output.

Source: Computed from official statistics of the U.S. Department of Commerce and the Board of Governors of the Federal Reserve System, and from data supplied to the U.S. Tariff Commission by the domestic producers of sheet glass.

Table 5. Sheet Glass 1/ Shipments by U.S. producers, 2/ and U.S. imports for consumption, by thickness (weight per square foot) and by kinds, 1961-65

Item	Weighting per square foot--										Total			
	Less than 16 ounces, total or average 3/			16 ounces or more, but not over 28 ounces			Over 28 ounces			Clear		Colored	Processed	Total or average
	Clear	Colored	Total or average	Clear	Colored	Total or average	Clear	Colored	Total or average					
1961														
U.S. shipments-----1,000 pounds-----	20,822	789,744	800,474	387,846	61,654	449,500	1,198,412	72,384	4/	1,270,796				
U.S. imports-----do-----	30,772	270,775	271,639	71,795	317	72,112	371,458	3,022	950	375,430				
Apparent U.S. consumption-----do-----	51,594	1,060,519	1,072,113	459,641	61,971	521,612	1,569,870	5/	5/	1,646,226				
Ratio of imports to consumption-----percent-----	59.6	25.5	25.3	15.6	0.5	13.8	23.7	5/	5/	22.2				
1962														
U.S. shipments-----1,000 pounds-----	25,462	881,870	890,686	466,552	57,014	523,566	1,373,894	65,830	4/	1,439,714				
U.S. imports-----do-----	40,165	261,777	262,389	165,769	536	166,305	466,400	2,238	1,916	470,554				
Apparent U.S. consumption-----do-----	65,627	1,143,647	1,153,075	632,321	57,550	689,871	1,840,294	5/	5/	1,910,268				
Ratio of imports to consumption-----percent-----	61.2	22.9	22.8	26.2	0.9	24.1	25.3	5/	5/	24.6				
1963														
U.S. shipments-----1,000 pounds-----	25,462	915,226	924,854	545,490	56,260	601,750	1,486,178	65,888	4/	1,552,066				
U.S. imports-----do-----	38,365	200,633	201,569	162,902	728	163,630	389,371	3,283	1,161	393,815				
Apparent U.S. consumption-----do-----	63,787	1,115,859	1,126,423	708,392	56,988	765,380	1,875,549	5/	5/	1,945,881				
Ratio of imports to consumption-----percent-----	60.1	18.0	17.9	23.0	1.3	21.4	20.8	5/	5/	20.2				
1964														
U.S. shipments-----1,000 pounds-----	30,102	904,654	917,356	547,520	31,262	578,782	1,482,276	43,964	4/	1,526,240				
U.S. imports-----do-----	52,033	244,755	245,943	177,550	1,394	178,934	473,699	3,212	1,724	478,635				
Apparent U.S. consumption-----do-----	82,135	1,149,409	1,163,299	725,070	32,646	757,716	1,955,975	5/	5/	2,004,875				
Ratio of imports to consumption-----percent-----	63.3	21.3	21.1	24.5	4.2	23.6	24.2	5/	5/	23.9				
1965														
U.S. shipments-----1,000 pounds-----	23,954	892,339	910,145	549,260	44,544	593,804	1,465,553	62,350	4/	1,527,903				
U.S. imports-----do-----	58,640	212,570	213,738	151,516	1,428	152,944	421,910	3,413	2,455	427,778				
Apparent U.S. consumption-----do-----	82,594	1,104,909	1,123,883	700,776	45,972	746,748	1,887,463	5/	5/	1,955,681				
Ratio of imports to consumption-----percent-----	71.0	19.2	19.0	21.6	3.1	20.5	22.4	5/	5/	21.9				

1/ Prior to Aug. 31, 1963, dutiable under par. 219 or pars. 219 and 224 of the Tariff Act of 1930. Currently dutiable in accordance with the escape-clause provisions under TSUS items 923.11-924.00, inclusive. Such imports are reported statistically under TSUS items 542.1100-542.9840, inclusive, and TSUSA item 544.1720.

2/ Excludes exports. Exports have been deducted from U.S. shipments of clear sheet glass weighing 16 ounces or more, but not over 28 ounces per square foot.

3/ Data for separate classifications have been combined in order to avoid disclosure of the operations of the individual producers.

4/ Data included under total colored glass in order to avoid disclosure of the operations of the individual producers.

5/ Not applicable.

Table 6.--Sheet glass: U.S. production and U.S. producers' yearend inventories, 1961-65

(In millions of pounds)

Year	Production	Inventories as of Dec. 31 1/
1961-----	1,233	102.1
1962-----	1,503	159.6
1963-----	1,519	132.4
1964-----	1,554	164.4
1965-----	1,556	195.2

1/ Includes only inventories of glass inspected for defects and cut to the size in which it is intended to be sold; does not include inventories of glass intended to be recut before shipment.

Source: Compiled from data submitted to the U.S. Tariff Commission by U.S. producers.

Table 7.---Employment in U.S. establishments in which
sheet glass was produced, 1961-65

Item	1961	1962	1963	1964	1965
All employees, average number	9,979	10,922	10,657	10,938	11,018
Production and related workers making---					
All products:					
Average number	8,572	9,505	9,109	9,369	9,348
Man-hours worked	17,046	19,291	18,644	18,447	19,461
Sheet glass:					
Average number $\frac{1}{-}$	6,420	7,385	7,110	7,261	6,935
Man-hours worked	12,775	14,994	14,542	14,301	14,438
Other products:					
Average number $\frac{1}{-}$	2,152	2,120	1,999	2,108	2,413
Man-hours worked	4,271	4,297	4,102	4,146	5,023

$\frac{1}{-}$ Estimated.

Source: Compiled from data submitted to the U.S. Tariff Commission by U.S. producers.

Table 8.--Single-strength sheet glass: Tariff Commission indexes of prices of glass produced in the United States and delivered to direct-factory buyers in certain U.S. cities, 1/ and price indexes reported by the Bureau of Labor Statistics, 2/ 1957-59 base period to May 1, 1966

(1957-59=100)

Period or date	Index of prices of sheet glass delivered to customers in--										BLS index for single-strength
	Boston	New York	Miami	New Orleans	Chicago	Pittsburgh	Los Angeles	Average			
1957-59----	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1960:											
May 1-----	86.6	90.2	84.5	92.6	94.3	96.7	86.2	90.2	94.1	93.3	93.3
Nov. 1-----	90.7	94.3	88.5	96.7	98.3	100.2	90.2	94.1	97.0	97.0	97.0
1961:											
May 1-----	90.7	94.3	88.5	96.7	98.3	100.2	90.2	94.1	97.0	97.0	97.0
Nov. 1-----	90.7	94.3	88.5	96.7	98.3	100.2	90.2	94.1	97.0	97.0	97.0
1962:											
May 1-----	95.9	99.5	93.8	101.9	103.6	105.5	95.5	99.4	101.8	101.8	101.8
Nov. 1-----	95.9	99.5	93.8	101.9	103.6	105.5	95.5	99.4	101.8	101.8	101.8
1963:											
May 1-----	95.9	99.5	93.8	101.9	103.6	105.5	95.5	99.4	101.8	101.8	101.8
Nov. 1-----	101.9	105.5	99.8	107.9	109.6	111.5	101.5	105.4	110.9	110.9	110.9
1964:											
May 1-----	107.8	111.8	105.4	114.5	116.4	118.6	107.3	111.7	115.8	115.8	115.8
Nov. 1-----	107.8	111.8	105.4	114.5	116.4	118.6	107.3	111.7	115.8	115.8	115.8
1965:											
May 1-----	106.7	110.7	104.3	113.4	115.2	117.4	106.2	110.6	115.5	115.5	115.5
Nov. 1-----	104.6	108.5	102.2	111.1	112.9	115.1	104.1	108.4	110.8	110.8	110.8
1966:											
May 1-----	103.6	107.4	101.2	110.0	111.8	113.9	103.1	107.3	111.7	111.7	111.7

1/ Based on prices paid for 19-ounce glass in standard pallets by direct factory buyers. These indexes do not reflect certain discounts for large volume orders, shipments in extra heavy pallets (first offered in 1964 and 1965), and/or special stock sizes. Prices in effect during 1957-59 were freight-equalized prices. Prices in effect on subsequent dates were delivered prices.

2/ BLS data are a composite for all of the United States. Until early in 1964 the indexes of prices of 19-ounce glass were also indicative of the price trends of all other important thicknesses.

3/ Not available.

Source: Compiled from data submitted to the U.S. Tariff Commission by U.S. producers, and from indexes published by the Bureau of Labor Statistics.

Table 9.--Delivered prices of representative sizes of domestic and West European sheet glass to direct-factory buyers in New York City on selected dates, 1960-66

Description and date	Delivered	Delivered	Amount or percent by which	
	price of domestic glass	price of West European glass	the West European glass was lower in delivered price than the domestic	
	Per 100 sq. ft.	Per 100 sq. ft.	Per 100 sq. ft.	Percent
Single strength "B" (19 ounces):				
Over 50, not over 60 united inches:				
Nov. 1, 1960-----	\$9.38	\$8.64	\$0.74	7.9
May 1, 1961-----	9.38	8.64	.74	7.9
Nov. 1, 1961-----	9.38	8.64	.74	7.9
May 1, 1962-----	9.85	8.64	<u>1/</u> 1.21	<u>1/</u> 12.3
Nov. 1, 1962-----	9.85	9.50	.35	3.6
May 1, 1963-----	9.85	9.32	.53	5.4
Nov. 1, 1963-----	10.53	9.94	.59	5.6
May 1, 1964-----	11.06	10.41	.65	5.9
Nov. 1, 1964-----	11.06	10.41	.65	5.9
May 1, 1965-----	10.95	10.21	.74	6.8
Nov. 1, 1965-----	10.73	10.21	.52	4.8
May 1, 1966-----	10.61	10.40	.21	2.0
Heavy sheet "B" (3/16 inches):				
Over 16-2/3, not over 25 square feet:				
Nov. 1, 1960-----	24.48	22.31	2.17	8.9
May 1, 1961-----	24.48	22.31	2.17	8.9
Nov. 1, 1961-----	24.48	22.31	2.17	8.9
May 1, 1962-----	25.71	22.31	<u>1/</u> 3.40	<u>1/</u> 13.2
Nov. 1, 1962-----	25.71	24.54	1.17	4.6
May 1, 1963-----	25.71	24.54	1.17	4.6
Nov. 1, 1963-----	26.99	25.72	1.27	4.7
May 1, 1964-----	26.99	25.72	1.27	4.7
Nov. 1, 1964-----	26.99	25.72	1.27	4.7
May 1, 1965-----	26.72	25.23	1.49	5.6
Nov. 1, 1965-----	26.72	25.23	1.49	5.6
May 1, 1966-----	27.92	26.32	1.60	5.7

1/ In effect for about 2 months.

Source: Compiled from manufacturers' and sales agents' pricelists.

Note.--Prices reflect payment discounts and discounts for packing in standard pallets. Prices do not reflect special discounts for large volume orders, shipments of special stock sizes, or shipments in extra heavy pallets. Customs brokerage, loading, and trucking charges have been added to the prices of the imported glass in effect on Nov. 1, 1962, and subsequent dates.

Table 10.--Sheet glass: ^{1/} U.S. imports for consumption entered at most-favored-nation rates of duty, by tariff provisions, 1961-65

Item	1961	1962	1963	1964	1965
Quantity (1,000 pounds)					
Sheet glass weighing not over 28 ounces per square foot and measuring in united inches--					
Not over 40-----	69,911	63,166	49,756	59,238	60,986
Over 40 but not over 60-----	103,378	117,512	100,357	117,435	101,242
Over 60 but not over 100-----	63,652	82,287	76,641	91,330	74,517
Over 100-----	41,826	16,357	8,741	10,953	10,277
Total, weighing not over 28 ounces per square foot-----	278,767	279,322	235,495	278,956	247,022
Sheet glass weighing over 28 ounces per square foot and measuring in square feet--					
Not over 2-2/3-----	16,204	34,910	21,605	20,391	16,111
Over 2-2/3 but not over 7-----	7,192	12,239	15,768	20,009	14,507
Over 7 but not over 15-----	5,309	12,244	15,742	15,054	15,975
Over 15-----	42,554	96,273	87,731	110,192	93,267
Total, weighing over 28 ounces per square foot-----	71,259	155,666	140,846	165,646	139,860
Grand total at most-favored-nation rates of duty-----	350,026	434,988	376,341	444,602	386,882
Value (1,000 dollars)					
Sheet glass weighing not over 28 ounces per square foot and measuring in united inches--					
Not over 40-----	5,599	4,767	3,895	4,201	4,391
Over 40 but not over 60-----	6,931	7,110	5,787	7,173	5,751
Over 60 but not over 100-----	4,772	5,633	4,974	6,386	4,985
Over 100-----	3,432	1,309	672	859	737
Total, weighing not over 28 ounces per square foot-----	20,734	18,819	15,328	18,619	15,864
Sheet glass weighing over 28 ounces per square foot and measuring in square feet--					
Not over 2-2/3-----	996	1,924	1,114	1,158	902
Over 2-2/3 but not over 7-----	535	784	994	1,275	880
Over 7 but not over 15-----	409	907	1,072	1,059	1,018
Over 15-----	3,463	6,846	5,352	6,945	5,379
Total, weighing over 28 ounces per square foot-----	5,403	10,461	8,532	10,437	8,179
Grand total at most-favored-nation rates of duty-----	26,137	29,280	23,860	29,056	24,043

^{1/} Prior to Aug. 31, 1963, dutiable under par. 219 or pars. 219 and 224 of the Tariff Act of 1930. Currently dutiable in accordance with escape-clause provisions under TSUS items 923.11-924.00, inclusive. Such imports are reported statistically under TSUSA items 542.1100-542.9840, inclusive. The classification provisions for sheet glass under the Tariff Act of 1930 were stated in a slightly different form than the TSUS provisions shown above.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 11.--Sheet glass: ^{1/} U.S. imports for consumption, by principal sources, 1961-65

Country	1961	1962	1963	1964	1965
	Quantity (1,000 pounds)				
Belgium-----	107,846	153,650	114,315	148,037	123,162
Japan-----	58,008	59,357	67,045	78,416	63,212
West Germany-----	39,599	49,204	44,463	46,198	45,603
United Kingdom ^{2/} -----	44,636	51,511	30,339	25,527	30,449
Italy-----	7,234	6,602	4,772	16,982	22,508
France-----	30,993	35,684	31,625	30,947	22,494
Finland-----	7,728	10,715	12,286	16,804	13,281
Sweden-----	18,975	12,340	11,021	10,769	9,171
All other-----	35,007	55,925	60,475	72,647	59,457
Total-----	350,026	434,988	376,341	446,327	389,337
Communist-dominated countries at full rates of duty-----	25,404	35,566	17,474	32,308	38,441
Grand total-----	375,430	470,554	393,815	478,635	427,778
	Value (1,000 dollars)				
Belgium-----	7,364	9,924	7,025	9,795	7,482
Japan-----	4,246	4,112	4,160	5,477	4,240
West Germany-----	3,551	3,880	3,335	3,535	3,403
United Kingdom ^{2/} -----	3,444	3,360	1,980	1,671	1,927
Italy-----	560	440	288	1,077	1,233
France-----	2,955	2,928	2,476	2,292	1,728
Finland-----	443	571	662	874	746
Sweden-----	1,272	828	624	629	547
All other-----	2,302	3,237	3,310	4,120	3,304
Total-----	26,137	29,280	23,860	29,470	24,610
Communist-dominated countries at full rates of duty-----	905	1,208	617	1,271	1,446
Grand total-----	27,042	30,488	24,477	30,741	26,056

^{1/} Prior to Aug. 31, 1963, dutiable under par. 219 or pars. 219 and 224 of the Tariff Act of 1930. Currently dutiable in accordance with escape-clause provisions under TSUS items 923.11-924.00, inclusive. Such imports are reported statistically under TSUSA items 524.1100-542.9840, inclusive and TSUSA item 544.1720.

^{2/} Imports of float glass, which began in 1960, are included through Aug. 31, 1963; the quantity of float glass imported is very small compared with that of total imports of sheet glass.

Source: Compiled from official statistics of the U.S. Department of Commerce.

