# UNITED STATES TARIFF COMMISSION

## COTTON TYPEWRITER-RIBBON CLOTH

Report to the President (No. TEA-IR-6-64)
Under Section 351(d)(1) of the
Trade Expansion Act of 1962



TC Publication 139

Washington, D.C. September 1964

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Note.--Certain portions of the report to the President may not be made public since they contain information that would reveal the operations of individual firms. This published report is the same as the report to the President except that those portions have been omitted. The omissions are indicated by asterisks.

(TC29374)

#### REPORT TO THE PRESIDENT

U.S. Tariff Commission, September 23, 1964.

To the President:

#### Introduction

Following an escape-clause investigation by the Tariff Commission and report to the President under section 7 of the Trade Agreements Extension Act of 1951, as amended, the President, by proclamation dated August 23, 1960, 1/ increased the duties applicable to broadwoven cotton typewriter-ribbon cloth, effective after the close of business on September 22, 1960.

Section 351 (d)(1) of the Trade Expansion Act of 1962 (76 Stat. 900) 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.

This is the second report to the President on broadwoven cotton typewriter-ribbon cloth under section 351 (d)(1). This report is concerned principally with developments that have occurred since those

<sup>1/</sup> Proclamation No. 3365; 3CFR, 1960 Supp., p. 35.

described in the Commission's report of September 23, 1963. 1/ Trends apparent during years covered by our earlier reports generally continued during the period under review. The dominant role in the domestic industry of one producer has been enhanced materially since 1963. Notwithstanding substantial variations in the level of U.S. production from year to year, aggregate annual sales of typewriterribbon cloth by U.S. producers have been considerably larger in recent years than they were before 1961. Prices received by domestic producers declined slightly during the first half of 1964 as they had during the preceding two years. Imports of typewriter-ribbon cloth were markedly lower during the year under review than they had been in other recent years. Nevertheless, importers' sales, after having declined somewhat irregularly during 1959-63, rose moderately in the first half of 1964. Sales of imported cloth during January-June 1964 were principally from accumulated inventories. Meanwhile, inventories held by domestic producers were also reduced, continuing a trend manifest since 1962.

#### U.S. Tariff Treatment

The broadwoven cotton typewriter-ribbon cloth covered by this report is described in items 922.01-922.05 of the appendix to the Tariff Schedules of the United States (TSUS) as follows:

<sup>1/</sup> More detailed information with respect to broadwoven cotton type-writter-ribbon cloth is contained in the following reports:

U.S. Tariff Commission, Cotton Typewriter-Ribbon Cloth: Report to the President on Escape-Clause Typestigation No. 7-85

President on Escape-Clause Investigation No. 7-85 . . ., 1960, Cotton Typewriter-Ribbon Cloth: Report to the President (1962) Under Executive Order 10401, TC Publication 70, 1962; and Cotton Typewriter-Ribbon Cloth: Report to the President (No. TEA-IR-6-63) Under Section 351(d)(1) of the Trade Expansion Act of 1962, TC Publication 108, 1963.

Woven fabrics, wholly of cotton, suitable for making typewriter ribbon, containing yarns the average number of which exceeds No. 50 but not No. 140, the total thread count (treating ply yarns as single threads) of which per square inch, counting warp and filling, is not less than 240 and not more than 340, and in which the thread count of either the warp or filling does not exceed 60 percent of the total thread count of the warp and filling.

Imported fabrics falling within this description are currently dutiable at various ad valorem rates that range from 27.85 to 47.5 percent, depending on the average yarn number and whether unbleached, bleached, or colored. In addition, a specific rate of 5 cents per pound is applied to all fabrics containing yarns the average number of which is 60 or higher (table 1).

Based on imports in the first 6 months of 1964, the average ad valorem equivalent of the duties applicable to unbleached broadwoven cotton typewriter-ribbon cloth was 35.5 percent. 1/ The average specific equivalent of the duties was approximately 12 cents per square yard. The following tabulation shows, by groups of average yarn numbers of the fabric, the percentage distribution of the imports of unbleached broadwoven cotton typewriter-ribbon cloth in January-June 1964 and the average ad valorem equivalents of the applicable duties:

Average yarn number	Percent of total quantity imported	Average ad valorem equivalent
		Percent
51 to 59	39.8 40.7 19.5	: 36.4

<sup>1/</sup> All of the imports during the first 6 months of 1964 consisted of unbleached cloth.

## U.S. Consumption

Cotton typewriter-ribbon cloth is the principal material used in ribbons for cash registers, addressographs, adding machines, printing calculators, billing machines, and similar equipment, as well as for nonelectric typewriters. The apparent annual consumption of cotton fabrics for these uses has been fairly stable in recent years, ranging between 7 million and 8 million square yards annually since 1956 (table 2).

Ribbons of materials other than cotton, such as nylon and carbontype ribbons, are utilized in recently developed markets in which cotton ribbons have never been important. Such uses include ribbons for electric typewriters, data-processing equipment, and photographicreproduction equipment. Information on the domestic consumption of these other ribbon materials is not available; however, data supplied to the Tariff Commission indicate that U.S. production has risen sharply in recent years. For example, the annual domestic output of broadwoven nylon typewriter-ribbon cloth increased from 6.0 million square yards in 1962 to 6.5 million in 1963; in the first 6 months of 1964 it was 3.8 million square yards, compared with about 3.4 million in the first 6 months of 1963 (table 3). The U.S. output of carbontype ribbons has also increased sharply in recent years, rising from 14.2 billion linear feet in 1962, to 15.8 billion linear feet in 1963; in the first 6 months of 1964, production of such ribbons amounted to 9.6 billion linear feet, compared with 7.7 billion in the like period of 1963.

The annual output of broadwoven silk typewriter-ribbon fabric declined from about 1.7 million square yards in 1961 to 1.5 million in 1962, and to approximately 1.0 million square yards in 1963. The sharp decline in production in 1962 and 1963 was attributable chiefly to the rising prices of raw silk. After prices of raw silk turned downward in late 1963, production increased, amounting to about 1.0 million square yards in the first 6 months of 1964, compared with 0.4 million square yards in the like period of 1963.

#### U.S. Producers

Five firms in the United States manufactured broadwoven cotton typewriter-ribbon cloth in the first 6 months of 1964; however, two of them produced only negligible quantities. 1/One of the principal producers operates numerous plants, but it produces broadwoven cotton typewriter-ribbon cloth in only one of them.

None of the five plants are engaged solely in the production of this cloth; all of them derive the major part of their income from the production and sale of other fine-woven cotton fabrics.

The modifications of the trade-agreement concessions in 1960 were followed by a pronounced change in the structure of the industry.

<sup>1/</sup> The five firms were Joanna Cotton Mills, Joanna, S.C.;
J.P. Stevens & Co., Inc., Whitmire Plant, Whitmire, S.C.; Baltic Mills,
Baltic, Conn.; Ponemah Mills, Division of The Aberfoyle Manufacturing
Co., Taftville, Conn.; and Warwick Mills, West Warwick, R.I. \* \*

The portion of total domestic production supplied by the three New England mills declined sharply from 1960 to 1963, while that of the Southern mills increased. This trend continued in the first 6 months of 1964; currently the Southern mills account for the bulk of domestic output.

\* \* \* \* \* \* \* \*

U.S. Production, Sales, Inventories, and Exports

Following the increase in 1960 in the rates of duty applicable to broadwoven cotton typewriter-ribbon cloth, U.S. production increased sharply from 2.6 million square yards in 1960 to 7.0 million square yards in 1962 (table 3). In 1963, production dropped to 4.5 million square yards, 36 percent below the 1962 level. In the first 6 months of 1964, output was 1.9 million square yards, which was about 27 percent below the 2.6 million square yards produced in the like period of 1963.

Notwithstanding the drop in output that began in 1963, sales of domestically produced fabric have remained stable, since producers have drawn on large inventories accumulated in 1961 and 1962. Such sales totaled 5.2 million square yards, valued at \$3.0 million, in 1962 and about the same amount, valued at \$2.5 million, in 1963 (table 4). In the first 6 months of 1964 they amounted to 2.8 million square yards, valued at \$1.3 million, compared with 2.9 million square yards, valued at \$1.4 million, in the first 6 months of 1963.

\* \* \* \* \* \* \*

Producers' inventories of typewriter-ribbon cloth declined from 2.6 million square yards at the end of 1962 to 1.9 million square yards at the end of 1963 (table 5). At the end of June 1964 they were 1.1 million square yards, the smallest since the end of 1961.

Data concerning exports of domestically produced broadwoven cotton typewriter-ribbon cloth are not available; however, such exports are believed to have been of minor significance. A small quantity of imported cloth is exported with benefit of drawback of customs duties, chiefly to countries in the Western Hemisphere.

### U.S. Imports

U.S. imports of broadwoven cotton typewriter-ribbon cloth declined from 3.3 million square yards in 1962 to 2.1 million in 1963; they amounted to 0.3 million square yards in the first 6 months of 1964, marking a sharp drop from the 1.2 million square yards imported in the comparable period of 1963 (table 6). In January-June 1964 all such imports were from Japan and the Netherlands. The ratio of imports to domestic consumption declined from 42 percent in 1962 to 29 percent in 1963, and to 8 percent in the first 6 months of 1964 (table 2).

In 1962, imports of typewriter-ribbon cloth exceeded domestic sales of imported fabric by almost 800,000 square yards (table 2). Both imports and sales of imported cloth were smaller in 1963 than

in 1962, and the inventories accumulated in 1962 were not liquidated in 1963. In the first 6 months of 1964, however, imports of broadwoven cotton typewriter-ribbon cloth were much smaller than sales of imported cloth, and inventories in the hands of importers were reduced sharply. Domestic sales of imported cotton typewriter-ribbon cloth amounted to about 2.5 million square yards in 1962, 2.0 million in 1963, and 1.3 million in the first 6 months of 1964. Sales by importers as a percent of apparent domestic consumption declined from 32 percent in 1962 to 27 percent in 1963. They rose to 31 percent of consumption in the first half of 1964 notwithstanding that imports were much lower in the first half of 1964 than in either half of 1963.

The average foreign unit value of imports declined from 38.2 cents per square yard in 1962 to 36.8 cents in 1963 and to 33.7 cents in the first 6 months of 1964 (table 6).

The Japanese Government controls exports of cotton typewriterribbon cloth to the United States--along with other cotton products-under the provisions of article 4 of the Geneva Long-Term Arrangements Regarding International Trade in Cotton Textiles. The limitation on exports of Japanese typewriter-ribbon cloth was 987,000
square yards in 1963, and is 1,016,610 square yards in 1964. \* \* \*
Although restrictions have not been placed on exports of cotton
typewriter-ribbon cloth from other supplying countries, the United

\* \* \* \* \* \* \*

States may take action to restrain trade under article 3 of the agreement--if imports from these countries disrupt the U.S. market. 1/
Employment

The average number of production and related workers employed (on all products) in mills producing cotton typewriter-ribbon cloth was approximately 3,000 in 1962, and remained at about that level in 1963 and the first 6 months of 1964. Data pertaining to the manhours worked in the production of cotton typewriter-ribbon cloth are not available for all producers; however, reports by three firms which account for the great bulk of domestic production show that man-hours worked by production and related workers in the manufacture of cotton typewriter-ribbon cloth declined by 26 percent from 1962 to 1963, and was 38 percent lower in the first 6 months of 1964 than in the like period of 1963. The percentage decline in man-hours worked was greater than the percentage decline in production during this period, indicating an increase in output per man-hour. The man-hours worked by production and related workers in the manufacture of cotton typewriter-ribbon cloth was 13 percent of the total man-hours worked by production and related workers in these mills in 1962, 10 percent in 1963, and 9 percent in the first 6 months of 1964.

<sup>1/</sup> Jamaica, Israel, the Philippine Republic, Portugal, Egypt, the Nansei-Nanpo Islands, Taiwan, Greece, and Turkey, although not historically exporters of typewriter-ribbon cloth, are already subject to ceilings, pursuant to bilateral agreements under the long-term arrangements.

#### Prices and Value of Sales

The liquidation of inventories of domestically produced broadwoven cotton typewriter-ribbon cloth beginning in 1962 was accompanied by a general decline in the selling prices of such fabric. The reduction in prices is indicated by a decline in the average unit value of sales by domestic producers from 56.6 cents per square yard in 1962 to 47.4 cents in 1963, and to 45.6 cents in the first 6 months of 1964 (table 4).

\* \* \* \* \* \* \* \*

Prices of imported fabric also declined in 1963 from those of 1962 as importers attempted to liquidate inventories. Changes in the prices of both domestic and imported cloth, however, were much smaller from August 1963 to June 1964 than in the year August 1962 to August 1963.

Composite indexes of prices received for major constructions of domestic and imported cotton typewriter-ribbon fabric in the period August 1, 1962, to June 15, 1964, are shown in the following tabulation (August 1962 = 100):

Year and month	Domestic fabric	Imported fabric
1962: August	100.0	100.0
February	95 <b>.</b> 5 93 <b>.</b> 0	93.6 92.2
FebruaryJune	91.6 90.8	92.0 92.4

Appendix

 $\mathbf{U}.\mathbf{S}.$  rates of duty provided for in the Tariff Schedules of the United States (TSUS), effective Aug. 31, 1963 Table 1. -- Broadwoven cotton typewriter-ribbon cloth:

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: Escape-action rate =	10% ad val. + 0.35% ad val. for each number. 5¢ per lb. + 10% ad val.	: Base rate (see rates for items 922.01-922.03 above) + 3% ad val.	: Base rate (see rates for ; items 922.01-922.03 : above) + 6% ad val. :
Trade-agreement rate ${\mathbb Z}^\ell$	7.5% ad val. + 0.25% ad val. for each number. 4 0.25% ad val. + 7.5% ad val. + 0.25% ad val. 6¢ per lb. + 27.5% ad val. 5¢ per lb. + 27.5% ad val. 5%	Base rate (see rates for items 922.01-922.03 above) + 2.5% ad val.	Base rate (see rates for items 922.01-922.03 above) + 1.5% ad val.
Statutory rate $2$	10% ad val. + 0.35% ad val. for each number. \$\frac{2}{7}\$ 10¢ per 1b. + 10% ad val. + 0.55% ad val. for each number. \$\frac{2}{7}\$ 10¢ per 1b. + \$\frac{1}{4}\$.5% ad val. \$\frac{2}{7}\$	Base rate (see rates for: items 922.01-922.03 : above) + 3% ad val.	Base rate (see rates for: items 922.01-922.03 :: above) + 6% ad val.
Articles	Woven fabrics, wholly of cotton, suitable for making typewriter ribbon, containing yarns the average number of which exceeds No. 50 but not No. 140, the total thread count (treating ply yarns as single threads) of which per square inch, counting warp and filling, is not less than 240 and not more than 340, and in which the thread count of either the warp or filling does not exceed 60 percent of the total thread count of the warp and filling.  Not fancy or figured:  Not bleached and not colored:  Of numbers 51 to 59  Of numbers 80 to 89	Bleached, but not colored:	Colored, whether or not bleached:
TSUS : appendix : item :	922.01 922.02 (pt.) : 922.03 (pt.) :	922.04 :	922.05
TSUS	320.51-	321.51- : 321.92 :	322.51- : 9 322.92 :

1/ Prior to Aug. 31, 1963, broadwoven cotton typewriter-ribbon cloth was dutiable under par. 90% of the Tariff Act of 1930.
2/ Statutory rates apply to products of Guba, which has been declared by the Congress to be Communist dominated or control. See sec. 401 of the Tariff Classification Act of 1962 and secs. 231 and 257(e) of the Trade Expansion Act of 1962.
3/ The trade-agreement rates which would apply, if it were not for the escape-clause action, to products of all countries except those products subject to statutory rates and except Philippine products which receive preferential treatment.
1/ These rates were established by Presidential proclamation pursuant to the escape-clause procedure. For some fabrics these rates are the same as the statutory rates, whereas for others they are lower.
5/ None of the aggregate ad valorem rates of duty or the aggregate ad valorem parts of a compound rate of duty shall be less than the equivalent of 0.55 cent per number per pound.
6/ None of the aggregate ad valorem rates of duty or the aggregate ad valorem parts of a compound rate of duty shall be less than the equivalent of 0.3 cent per number per pound.

Table 2.--Broadwoven cotton typewriter-ribbon cloth: U.S. production and sales of domestic cloth, imports and sales of imported cloth, and apparent domestic consumption, 1955-63 and January-June 1964

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	Domestic cloth	cloth	Imported cloth	l cloth	tuonound	Ratio to domestic sumption of	estic con- n of
Period	Production	Sales	Imports	Domestic sales 1/	domestic consump- tion 2/	Imports	Sales of imported cloth
	1,000 square yards	1,000 square yards	1,000 square yards	1,000 square yards	1,000 square yards	Percent	Percent
1955	5,018 3,829 3,835 3,796 2,911	3,845 3,845 3,258 3,391 3,365	4,363 4,938 3,151 4,931	3/ 4,324 4,742 3,711 3,856 4,458	9,041 8,587 6,969 7,247	4 7 7 7 8 8 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9	4.8 55 53 53
1960	2,567 4,847 5/6,998 4,496 1,944	3,257 4,482 5/5,220 5,245 2,778	3,309 6/3,260 6/2,118 6/325	7/3,040 7/2,472 7/1,980 7/1,267	1,522 7,522 5/7,692 7,225 4,045	7 t t t t t t t t t t t t t t t t t t t	44/ 40/ 32 32 31
: 1/ Fxcludes sales of cloth	cloth imported for		consumption and	subsequently	exported	with benefit	of drawback.

Sales of domestically produced fabric plus domestic sales of imported fabric.

/ Estimated.

Not available. Revised.

/ Neviscue 5/ Preliminary.

Estimated, based on domestic sales reported by U.S. importers accounting for the bulk of total im-

Commerce; quantity of imports for 1955-59 and sales of imported cloth for all years compiled from informa-Source: Domestic production and sales compiled from information supplied the U.S. Tariff Commission by producers; quantity of imports for 1961-64 compiled from official statistics of the U.S. Department of tion supplied by U.S. importers.

Table 3.--Typewriter-ribbon materials: U.S. production, by kinds, 1955-63 and January-June of 1962, 1963, and 1964

Don't od	Broadwove	: Carbon-type		
Period	Cotton	Nylon	Silk	ribbons
	1,000 square yards	1,000 square yards	1,000 square yards	Millions of linear feet
1955	5,018 3,829 3,835 3,796	920 : 9497 :	1,114 : 1,356 :	4,998 5,510
1959	2,911 2,567 4,847 1/6,998 4,496	2,265 1/5,198 1/6,032	1,673 1/1,707 1/1,515	8,868 12,391 14,247
January-June : 1962: 1963: 1964: :	3,755 2,575 1,944	3,423		7,710

<sup>1/</sup> Revised.

Source: Compiled from data supplied the U.S. Tariff Commission by domestic producers.

Table 4.--Broadwoven cotton typewriter-ribbon cloth: Sales by U.S. producers, 1955-63 and January-June of 1962, 1963, and 1964

Period	Quantity	Value 1/	Average unit value
	1,000 square yards	1,000 dollars	Cents per square yard
1955	4,717 3,845 3,258 3,391	2,338 : 1,906 :	60.8
1959	3,365 3,257 4,482 2/5,220 5,245	1,799 : 2,572 : 2/2,953 :	55.2 57.4 2/56.6
January-June 1962 1963 1964	,, -	1,435	48.9

<sup>1/</sup> Net sales value, f.o.b. point of shipment. 2/ Revised.

Source: Compiled from data supplied the U.S. Tariff Commission by domestic producers.

Table 5.--Broadwoven cotton typewriter-ribbon cloth: U.S. producers' inventories, production, and sales, 1955-63 and January-June of 1962, 1963, and 1964

Period	Inventories at end of	: Produc-	Sales	Ratio of inv	
reriou	period 1/	tion	. Dates	Production	Sales
	1,000 square yards	1,000 square yards	1,000 square yards	<u>Percent</u>	Percent
1955 1956 1957 1958	1,457	5,018 3,829 3,835 3,796	3,845 3,258	18 ; 23 ; 38 ; 49 ;	19 23 45 55
1959 1960 1961 1962 1963	718 962 <u>2</u> / 2,567	2,911 2,567 4,847 2/6,998 4,496	3,257 4,482	48 28 20 37 43	42 22 21 2/ 49 36
January- June 1962 1963	3/ 1,808 3/ 2,186	3,755 2,575 1,944	2,936	14/ 14/ 14/	4/ <u>年</u> /

<sup>1/</sup> The reported inventory may vary slightly from the inventory derived by adding beginning inventories and production, and deducting sales.

Source: Compiled from data supplied the U.S. Tariff Commission by domestic producers.

<sup>2/</sup> Revised.
3/ Inventories reported by manufacturers as of June 30.
4/ Ratios are not meaningful based on data for 6 months.

Table 6.--Broadwoven cotton typewriter-ribbon cloth: U.S. imports for consumption, 1955-63 1/ and January-June of 1962, 1963, and 1964

Period	Quantity	:			Average unit value
	1,000	- ; ·			
:	square		1,000		
•	yards	1	dollars	:	yard
		2		2	<del></del>
1955:			1,934		44.3
1956:			2,176		44.1
1957:	-, -	:	1,396		44.3
1958:	3 <b>,</b> 739	:	1 <b>,</b> 588	÷	42.5
		:	•	2	_
1959:			1,907		38.7
1961:			1,300		39.3
1962 2/:			1,245		38.2
1963 2/:	2,118	:	779	•	36.8
		:		:	
January-June	- 1	:		:	-0-4
1962 2/:			575		38.5
1963 7/:			•		37.5
1964 2/:	325	•	110	:	33.7
•		:		:	

<sup>1/</sup> Data for 1960 are not available. 2/ Preliminary.

Source: Data for the period 1955 to 1959, compiled from information supplied the U.S. Tariff Commission by importers during the escape-clause investigation under sec. 7 of the Trade Agreements Extension Act of 1951, as amended, in 1960; imports of cotton typewriter-ribbon cloth were not separately classified before September 1960. Data for 1961-63 and January-June of 1962, 1963, and 1964, compiled from official statistics of the U.S. Department of Commerce.

Note.—Several entries included in the official statistics for 1962 were found by invoice analysis to be misclassified as cotton typewriter-ribbon cloth. The small quantities involved were deducted from the 1962 official statistics.