UNITED STATES TARIFF COMMISSION



WATCH MOVEMENTS

Report to the President on Investigation No. TEA-1A-2 Under Section 351(d)(2) of the Trade Expansion Act of 1962



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UNITED STATES TARIFF COMMISSION

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Note.--Certain portions of this 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.

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REPORT TO THE PRESIDENT

U.S. Tariff Commission, March 5, 1965

To the President:

This report is made pursuant to section 351(d)(2) of the Trade Expansion Act of 1962 (76 Stat. 900), <u>1</u>/ which provides that--

Upon request of the President or upon its own motion, the Tariff Commission shall advise the President of its judgment as to the probable economic effect on the industry concerned of the reduction or termination of the increase in, or imposition of, any duty or other import restriction pursuant to this section or section 7 of the Trade Agreements Extension Act of 1951.

Introduction

On December 5, 1963, the Tariff Commission, on its own motion, instituted an investigation with respect to watch movements, pursuant to section 351(d)(2). 2/ A public hearing was held in connection therewith from May 12 to 14, 1964.

Following an escape-clause investigation by the Tariff Commission under section 7 of the Trade Agreements Extension Act of 1951, the President increased the duties on watch movements by Proclamation No. 3062, dated July 27, 1954. $\underline{3}$ / The increased duties became effective at the close of business on that date. Since then the Commission has maintained a continuing review of developments with respect to

^{1/} This report is also submitted as the Commission's annual report on watch movements for the purpose of sec. 351(d)(1) of the act. 2/ 28 F.R. 13480. For the purpose of this report, "watch movements" are timepiece movements that (1) have pillar plates that are less than 1.77 inches in width and (2) are less than 0.50 inch in thickness. 3/ 3 CFR, 1954-1958 Comp., 15.

watch movements. In connection therewith the Commission made seven consecutive annual reports to the President on watch movements pursuant to paragraph 1 of Executive Order 10401 and subsequently another pursuant to section 351(d)(1) of the Trade Expansion Act of 1962. 1/

As used in this report, the terms "U.S." and "domestic" refer to the customs territory of the United States. This territory embraces the 50 States, the District of Columbia, and Puerto Rico, but does not include the Virgin Islands of the United States. However, production

1/ Executive Order 10401 was revoked on Jan. 15, 1963, by sec.12(b)(3)
of Executive Order 11075; the Trade Expansion Act of 1962 was enacted
on Oct. 11, 1962. The Tariff Commission's first annual report under
sec. 351(d)(1) of the act is Watch Movements: Report to the President
(No. TEA-IR-4-63) Under Section 351(d)(1) of the Trade Expansion Act
of 1962, TC Publication 102, 1963 (processed).

During the investigation under sec. 351(d)(2) the Commission had two other proceedings under consideration with respect to watch movements. The Commission instituted on Apr. 22, 1964, a preliminary inquiry in regard to watches and watch movements under sec. 337 of the Tariff Act of 1930, as amended (Investigation No. 337-L-29; 29 F.R. 5653), and, on May 19, 1964, an investigation on watches, watch movements, and parts of watch movements under sec. 301(b) of the Trade Expansion Act of 1962 (Investigation No. TEA-I-7; 29 F.R. 6969).

The inquiry under sec. 337 was instituted in response to a complaint submitted by the Elgin National Watch Co. and the Hamilton Watch Co. alleging unfair methods of competition and unfair acts in the importation of watches and watch movements and their sale in the United States. The complaint was amended on Dec. 28, 1964, to state the allegations with more particularity. The Commission is continuing the preliminary inquiry to determine whether the amended complaint contains good and sufficient reason for a full investigation.

The investigation under sec. 301(b) was instituted in response to a petition submitted by the Bulova Watch Co., the Elgin National Watch Co., and the Hamilton Watch Co. The report containing the Commission's finding thereon, which was submitted to the President on Oct. 30, 1964, was entitled Watches, Watch Movements, and Parts of Watch Movements: Report to the President on Investigation No. TEA-I-7 Under Section 301(b) of the Trade Expansion Act of 1962, (TC Publication 142, 1964 (processed)). of watch movements in the Virgin Islands and shipments from those islands to the customs territory of the United States have been taken into account in the calculation of total U.S. consumption of watch movements. Although articles received from the U.S. Virgin Islands are technically U.S. imports, in this report, unless otherwise indicated, such articles are referred to as "shipments" from the U.S. Virgin Islands, and the data on U.S. imports do not include such shipments.

The forecasts set forth in the following section were made on the basis that the current political and economic trends now in evidence will continue, that is, that there will be no major war, no great depression, etc. The discussion in that section sets forth the effects that would be likely to follow complete restoration of the concessions, i.e., a termination of the increases in the rates of duty on watch movements. For individual concerns a partial restoration might have little or no effect for one concern, and for another, about as much effect as a full restoration. The variation from concern to concern would depend not only on the magnitude of the partial restoration but also on whether the partial restoration was interpreted as a first step toward full restoration on October 11, 1967, the date on which the increase in the rates of duty will be terminated unless further extended by the President, as provided in the Trade Expansion Act of 1962.

Probable Economic Effect of Termination of the Increases in the Rates of Duty

In summary, full restoration of the trade-agreement rates of duty on imports of watch movements would probably have the following effects: (1) The landed, duty-paid cost for most watch movements imported from foreign countries would become significantly lower; (2) a large share of the duty reductions on the bulk of the imported movements, particularly those that meet intense price competition, would be passed on to retail outlets and consumers in the form of lower watch prices; (3) the assembly of watch movements in the Virgin Islands would be less attractive; (4) imports from Europe and Japan would increase; (5) the share of the U.S. market supplied by watches incorporating imported movements would rise; and (6) the concerns currently producing watch movements in the United States would, in the aggregate, account for most of the increase in imports.

Restoration of the concessions would have widely different effects on individual domestic producers, since the resultant reductions in duty would bear differently on the various categories of imports. These variations are discussed later in more detail, but in summary, restoration of the concession would have no significant effect on the domestic production of pocket watches, most of which incorporate pin-lever movements; it would intensify the competition between the lower priced imported jeweled-lever watches and the higher priced domestic pin-lever watches; it would diminish the incentive for domestic watch producers to import watch parts and would correspondingly increase their incentive to substitute imported movements for

movements assembled domestically from an admixture of imported and domestic parts; and it would encourage domestic producers of jeweledlever watch movements to substitute imported jeweled-lever watch movements for those they produce domestically. In the aggregate, there would be idling of productive facilities and a decrease in employment in the manufacture of U.S. watch movements beyond that which has already occurred because of the domestic producers' increasing use of movements obtained from abroad and from the Virgin Islands. Although producers in the aggregate would incur capital losses as a result of the idling of plant and equipment, these losses would no doubt be partly or fully offset by increased profits arising out of expanded import operations.

The bulk of the pocket watches sold in the United States, including nearly all of the imported pocket watches, are of the pin-lever type. 1/Inasmuch as such imports are dutiable at a rate that was not increased under the escape action in 1954, the duty on such articles would not be reduced by restoration of the trade-agreement concessions. No significant competition exists between domestically produced pin-lever pocket watches and the small quantity of jeweled-lever pocket watches sold in the United States--whether domestic or imported. 2/ Neither is there any significant competition between pocket watches and wrist watches. For these reasons the domestic production of pin-lever

^{1/} Virtually all pin-lever movements for pocket watches are dutiable under TSUS item 932.16.

^{2/} Jeweled-lever movements for pocket watches are dutiable under TSUS items 932.26 and 932.36.

pocket watches would not be affected significantly by restoration of the concessions.

Most domestically produced jeweled-lever movements are incorporated in wrist watches that compete principally with the more expensive wrist watches containing imported jeweled-lever movements. A significant share of such domestic movements incorporated in ladies' watches, however, compete principally with lower priced ladies' watches incorporating imported jeweled-lever movements. Little effect on the competition between the more expensive watches made abroad and those made in the United States would be likely to result from restoration of the concession, since such competition is based less on price than on other factors, such as prestige of brand names, styling, and quality. A substantial increase in price competition between lower priced ladies' watches would be likely to result from restoration of the concessions on jeweled-lever movements; the reductions in duty on the movements incorporated in such watches would generally be reflected in lower watch prices to consumers.

The concerns that produce jeweled-lever movements in the United States, all of which have foreign affiliates or subsidiaries, have in recent years increasingly substituted imported for domestic movements. The duty reductions that would be brought about by restoration of the concessions would provide an incentive for continuing such substitution. The extent to which further substitution might be expected to take place, however, would vary from concern to concern. Without a certain minimum domestic output, no producer can maintain a viable

domestic operation. For this reason, as well as others, restoration of the concessions might, at one extreme, result in little change in the volume of domestic output of one producer and, at the other extreme, result in abandonment of another's domestic production altogether. To the extent that restoration of the concessions would result in further substitution of imported for domestic movements, it would contribute to a further idling of domestic production facilities and a decline in employment in them, as well as to certain capital losses.

The great bulk of the watches consumed domestically consist of the lower priced wrist watches. Virtually all of the recent increase in domestic consumption has been comprised of such watches; they incorporate both pin-lever and jeweled-lever movements. Imports of jeweled-lever movements for such watches have increased substantially during the last few years, principally from Switzerland; the duty-free shipments from the Virgin Islands have increased even more sharply, principally because of the escape-action rates that apply to movements imported from foreign countries. Without any change in existing rates of duty, there is likely to be a continuing increase in imports from abroad, as well as in shipments from the Virgin Islands, of jeweled-lever movements for incorporation in the lower priced watches. Such watches are likely (1) to replace ultimately the lower priced watches that presently incorporate domestic jeweled-lever movements, and (2) to encroach on the market now served by the higher priced pin-lever watches. A restoration of the trade-agreement concessions

would accelerate these developments; it would also alter somewhat the source of imports by encouraging direct importation of watch movements from foreign sources and thereby discouraging further expansion of assembly operations in the U.S. Virgin Islands--operations that are based principally on the assembly of parts imported from Japan and some European countries.

Restoration of the concessions would result in substantial reductions in the duties on most sizes of pin-lever movements used in wrist watches. $\underline{1}$ / The reduction in duties on the movements used in such watches, together with the reductions in duty on the lower priced jeweled-lever movements, would intensify competition in the price range in which both imported and domestic pin-lever watches are marketed.

Increasingly, pin-lever movements have been assembled in the United States from parts produced in foreign countries. Restoration of the trade-agreement rates would operate both to discourage the importation of watch parts for use in domestic assembly operations and to stimulate the transfer of those operations from the United States to plants abroad.

As indicated elsewhere in the report, six concerns currently produce watch movements in the United States. The Commission's foregoing conclusions with respect to the industry as a whole are based on an analysis of the probable economic effect that restoration of

the concessions would have on each of the individual concerns. Much of the analysis with respect to each of them, however, contains material the publication of which would reveal confidential information concerning their individual operations. For this reason the separate analysis with respect to the individual concerns is included only in the report submitted in confidence to the President. That confidential analysis, however, merely provides detailed information in support of the conclusions published with respect to the industry as a whole.

Respectfully submitted.

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Ben Dorfman, Chairman

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Commissioner

Glenn W. Sutton, Commissioner

James W. Culliton, Commissioner

Information Obtained in the Investigation

Summary of major developments

Since 1954, when the escape action on watch movements was taken, marked changes have occurred in the organization of the domestic industry, in the volume and composition of domestic production and imports of watch movements, and in the consumption of watches in the United States. The 1954 increase in duties is but one of numerous factors contributing to such changes. Other factors include technological advances both in production techniques and design, changes in fashion, marketing innovations, the rising cost of watch repairs, Treasury Department rulings on "upjeweling," and changes in regulations regarding shipments from the Virgin Islands.

During the past decade the number of watches sold in the United States has increased significantly. The increase was accounted for entirely by greater sales of watches incorporating domestic and imported pin-lever movements and lower priced jeweled-lever movements. Although the consumption of watches has increased, there has been no upward or downward trend in the aggregate share supplied by those incorporating movements imported from abroad and obtained from the Virgin Islands. The aggregate of the watches incorporating these movements imported from abroad and obtained from the Virgin Islands supplied about 55 percent of domestic consumption in 1961-64 as well as in 1951-53; the imports have not yet significantly reflected the great expansion of the watchmaking industries in foreign countries other than Switzerland, such as in Japan and the Soviet Union. Nearly all of the concerns currently producing watch movements in the United States have either expanded their foreign facilities or acquired plants in foreign countries and in the Virgin Islands in recent years. U.S. producers now account for a substantial share (about 27 percent in 1964) of the aggregate of the movements imported from abroad and obtained from the Virgin Islands. * * *

Imports of jeweled-lever watch movements declined irregularly from 1954 through 1958 and increased somewhat thereafter; imports from abroad, together with shipments from the Virgin Islands, were at approximately the same aggregate level in 1964 as in the period immediately preceding the increase in duties. The trend of U.S. production of jeweled-lever movements, on the other hand, continued slightly downward throughout the period 1954-64. The segment of the domestic industry engaged in the manufacture of conventional jeweled-lever movements is now comprised of three concerns--Elgin, Bulova, and Hamilton. In times past there were other such producers; the last two to discontinue production were The Waltham Watch Co. and the Precision Time Corp. Waltham discontinued the manufacture of watch movements in 1957, and Precision Time, which began the domestic production of jeweled-lever watch movements in 1959, entered bankruptcy in 1963.

The three domestic concerns that have continued production of jeweledlever watch movements have progressively reduced the number of their domestic models, and Elgin discontinued the domestic production of all men's watches in 1964. In adjusting to competition from imports and the

changing pattern of U.S. consumption, Elgin, Bulova, and Hamilton have obtained or expanded facilities abroad for producing movements; these three concerns, in the aggregate, have accounted for most of the increase in imports of jeweled-lever watch movements in recent years.

Following the 1954 tariff increase, both U.S. production and imports of pin-lever watch movements rose sharply though irregularly. Annual imports of pin-lever movements in recent years have been more than double the annual average in the early 1950's; annual U.S. production of pinlever movements was about 75 percent greater in the years 1962-64 than in the years 1952-53.

The segment of the watch industry producing pin-lever movements now consists of three firms--General Time, Ingraham, and United States Time. The New Haven Clock & Watch Co. went out of business in 1959. Ingraham discontinued the production of wrist watches in 1959, and General Time did so in 1964; both firms continue to manufacture pin-lever pocket watches. On the other hand, U.S. Time has more than tripled its domestic output during the past decade and now accounts for virtually the entire domestic production of pin-lever wrist watches; in addition, that concern is producing domestically, in large volume, an unconventional 21-jewel movement and has been importing a jeweled movement powered by an electric cell.

Since 1959, an increasing share of U.S. consumption of jeweled-lever movements has been supplied by shipments from the Virgin Islands. Such movements are assembled there almost wholly from foreign parts and subassemblies that are imported into the islands at a very low rate of

duty; 1/ the watch movements are then shipped duty-free into the United States. The watch-assembling facilities in the Virgin Islands are owned principally by U.S. interests, including both watch producers and importers. The number of watch movements shipped from the Virgin Islands to the United States in 1964 (2.4 million units) was about twice the number of jeweled-lever movements produced in the United States in that year. Virtually all of the movements received from the Virgin Islands are of jeweled-lever construction but cost much less than either domestically produced conventional jeweled-lever movements or the better quality imported jeweled-lever movements laid down, duty-paid in the United States.

As a whole, the manufacture of watch movements in the United States was profitable during the years 1959-63. * * *

U.S. tariff treatment

Presidential Proclamation No. 3062, of July 27, 1954, provided for the increase of almost all of the rates of duty on the watch movements on which tariff concessions had been granted to Switzerland in 1936. Rates were not increased, however, on movements having more than 17 jewels or on movements measuring over 1.5 inches in width and having no jewels or only 1 jewel. Similarly, no increase was made in the additional rate for

^{1/} Although the rate of duty assessed on each part is 6 percent ad valorem, subsidies provided by the Virgin Island Government to 4 of the 11 firms currently assembling movements almost wholly offset the duty; see the section of this report concerning shipments from the U.S. Virgin Islands.

each adjustment (table 1 in the appendix). 1/ The Tariff Schedules of the United States (TSUS), which came into effect August 31, 1963, made no change in the trade-agreement and escape-action rates of duty on watch movements. 2/ Those rates and the statutory rates of duty 3/ on watch movements are shown in tables 1 and 2.

Shipments from the U.S. Virgin Islands enter the United States free of duty when meeting the requirements of general headnote 3(a) of the TSUS. For a description of this provision see the section of this report on shipments from the Virgin Islands.

1/ The duty applicable to imported movements have more than 17 jewels (\$10.75) and the duty applicable to movements having 1 or no jewels and measuring over 1.5 inches in width (75ϕ) are the rates imposed under par. 367(a) of the Tariff Act of 1930; the rate on adjustments $(50\phi$ per adjustment), applicable only to movements having 17 or fewer jewels, is a trade-agreement rate.

2/ At the time the concessions were granted Switzerland, as well as at the time the President took the escape action, tariff treatment for watch movements was provided under par. 367(a) of the Tariff Act of 1930. Par. 367(a) made no distinction between movements with pillar plates that are less than 1.77 inches in width, whether used in watches or in clocks. The application of the escape action to all movements under that tariff provision resulted in the imposition of the increased duties on imports of certain movements generally used in small clocks. The ISUS (effective Aug. 31, 1963) established separate tariff provisions for clock movements (see headnotes 2(b) and (c) and 3(d) of subpart 2E of schedule 7) that are less than 1.77 inches in width and 0.50 inch or more in thickness (TSUS items 720.02-.08) and established as the trade-agreement rates of duty for such movements the same rates that had applied to them under the escape action. Inasmuch as such movements are no longer subject to the escape action, data on the trade in such movements are not included in the data shown in this report, except where indicated. Watch movements entering commercial channels in clocks, however, remain dutiable under the TSUS provision for watch movements and are included in the data in this report. Annual imports of such watch movements have probably been insignificant.

3/ The rates of duty imposed under par. 367(a) of the Tariff Act of 1930 and presently set forth in col. 2, pt. 2E, schedule 7, of the TSUS.

U.S. consumption

The apparent U.S. consumption of watch movements was greater in 1964 (27.2 million units) than in any earlier year. 1/ Since 1954, when the escape action was taken, the apparent consumption has varied irregularly from year to year, but the trend has been sharply upward. Consumption increased by 63 percent from 16.2 million units in 1954 2/ to an annual average of about 26.4 in 1962-64 (table 3). 3/ Annual consumption of w atch movements since 1954 has been very sensitive to changes in annual aggregate disposable personal income. The changes in annual consumption, however, have usually been much more pronounced than the changes in annual income. The disparity is attributable primarily to the postponable nature of consumer purchases of watches and the substitutability of other articles as gifts.

The increased quantity of watch movements consumed annually in the United States since the escape action was taken has consisted almost entirely of pin-lever wrist watches. * * * The rise in consumption of

^{1/} Consumption of watch movements has been computed by totaling (1) the watch movements produced in the U.S. customs territory, (2) the U.S. imports of watch movements, and (3) the shipments of watch movements from the U.S. Virgin Islands into the U.S. customs territory, and subtracting from the total the U.S. exports of watch movements. (A more complete explanation of the method used is given in the note appended to table 3 of this report.) The apparent consumption reported herein understates actual consumption, however, because it does not take into account the considerable number of watches and watch movements entered by tourists or smuggled into the U.S. customs territory.

^{2/} The low level of consumption in 1954 marked the bottom of the decline in consumption that had begun after the earlier 1951 peak. The 1954 low appears to have been only coincidental with the escape action and probably resulted primarily from a low level of disposable personal income.

^{3/} The annual changes in consumption, production, imports and shipments from the Virgin Islands shown in the statistical tables are also presented graphically in charts 1 to 5 in the appendix of this report.

pin-lever watches is attributable principally to their increased consumer acceptance, which in turn, is attributable to (1) their comparatively low prices; (2) the marked increase in the variety of their sizes, shapes, and styles; (3) the increased availability of women's models in smaller sizes; (4) the many improvements in their quality and appearance; and (5) the improved marketing of such watches (particularly by U.S. Time). Another important factor has been the rising cost of repairing jeweled-lever watches; pin-lever watches are more frequently discarded than repaired.

The annual consumption of conventional jeweled-lever watch movements varied irregularly during the period 1954-61, with no apparent trend. Since 1961, however, the trend has been upward, and the number of such movements that entered into consumption was significantly greater in the years 1962-64 than in any other earlier year as far back as 1954. The recent rise in the consumption of such movements has been reflected principally in the increased use of low-priced jeweled-lever movements from the Virgin Islands and foreign countries. * * *

As a result of improvements in pin-lever watches and the increased availability of low-cost jeweled-lever watches (both types generally retailing for no more than \$30 but most for much less), there is much more direct competition between pin-lever and the lower priced jeweledlever watches now than when the escape action was taken. Currently, at least two-thirds of all watches retail at less than \$30. Virtually the entire increase in annual consumption during the past decade was accounted for by watches retailing in this price range. Such watches include (1) nearly all those incorporating pin-lever movements (domestic and imported),

(2) virtually all those incorporating movements received from the Virgin Islands, (3) a very large share of those incorporating jeweled-lever movements imported from foreign countries, and (4) a small share of those incorporating jeweled-lever movements produced in the United States.

U.S. producers

During 1964 six concerns produced watch movements in the United States; 3 produced only wrist watches, 2 produced both wrist and pocket watches, and 1 produced only pocket watches. <u>1</u>/ Three (Bulova, Elgin, and Hamilton) produced conventional jeweled-lever movements, <u>2</u>/ and three (General Time, U.S. Time, <u>3</u>/ and Ingraham) produced pin-lever watch movements. U.S. Time also produced unconventional jeweled-lever move-

1/ Ingraham produced pocket watches but no wrist watches in 1964. General Time discontinued the production of wrist watches in the United States in 1964, but continued the production of pocket watches.

2/ Bulova, Elgin, and Hamilton also produced some watch movements powered by miniature electric cells (none of which movements have escapements). The Elgin and Hamilton electric movements incorporate balance wheels, but the Bulova model does not. Elgin produced only a limited number of these movements; it no longer produces any. U.S. Time also markets watches that are powered by an electric cell; they are produced in one of its establishments in West Germany. (Several other importers also market in the United States watches powered by an electric cell; they are produced in Switzerland and France.) In this report, unless otherwise indicated, the data for watch movements powered by an electric cell have been included with the data for jeweled-lever watch movements.

3/ In this report, the Eastern Watch Co. of Puerto Rico, which began the production of pin-lever watches in 1959, is treated as a part of U.S. Time. The Eastern Watch Co., owned by the same interests that own U.S. Time, is operated at the direction of the officers of U.S. Time as an integral part of the latter, along with its six other plants located in the United States. ments. 1/ These 6 concerns currently producing watch movements in the United States do so in 14 establishments; 3 of these concerns produce such movements in more than a single U.S. establishment-U.S. Time does so in 7, and Elgin and Ingraham each produce them in 2. All 6 of these concerns, as well as 2 others, were producing watches at the time of 1954 escape action.

Since 1954 substantial changes in the composition of the industry have occurred. In 1957 Waltham (a producer of jeweled-lever watches) discontinued manufacturing watches. In 1959 the New Haven Clock & Watch Co. (a producer of pin-lever watches) went out of business, and Ingraham ceased producing pin-lever wrist watches. In December 1963, Precision Time, which began producing jeweled-lever wrist-watch movements in 1959, entered bankruptcy; its plant and equipment were sold in July 1964. <u>2</u>/ During 1963 and 1964 Elgin was in the process of transferring its watchmaking facilities from Elgin, Ill., to Elgin, S.C., for the announced purpose of reducing production costs; in 1964 it discontinued its domestic

In this report, unless otherwise indicated, the data for these 21jewel movements have been included with the data for domestically produced pin-lever watch movements.

2/ Precision Time, which never accounted for more than a small share of the U.S. production of jeweled-lever watch movements, did not market any watches under its own brand. The watch movements sold by this concern competed principally with the lower priced jeweled-lever watch movements obtained from foreign countries and from the U.S. Virgin Islands, and with both domestic and imported pin-lever watch movements. * * *

^{1/} Since 1961 U.S. Time has produced and marketed in the United States a large number of watches incorporating an unconventional type of jeweled-lever movement containing 21 jewels, both in spring-wound and selfwinding models. These movements, although incorporating a jeweled-lever escapement, have most of the basic construction features generally associated with pin-lever movements; the shape and mounting of the pallet jewels and the contour of the teeth of the escape wheel are different from those found in jeweled-lever movements of conventional construction.

production of men's watch movements. In 1964 General Time discontinued its U.S. production of wrist-watch movements, but is continuing production in the United States of pocket-watch parts and pocket watches. 1/

In addition to the conventional stem-wound wrist watches they produced domestically in 1964, two concerns (Bulova and U.S. Time) produced self-winding wrist watches, two (Bulova and Hamilton) produced watches powered by an electric cell, one (Hamilton) produced chronograph watches, and three (General Time, Hamilton, and Ingraham) produced pocket watches. All four of the domestic concerns that produced conventional jeweled-lever movements made both 17-jewel movements and movements containing more than 17 jewels. 2/

During 1964 all six concerns now producing watches in the United States also imported watches and watch movements from foreign countries and prepared such imports for sale in their U.S. watchmaking establishments. Three of these concerns * * * also obtained a large number of watch movements from the U.S. Virgin Islands and prepared them for sale in their U.S. establishments. The imported watch movements and those secured from the Virgin Islands that are prepared for sale by the six

^{1/} Data relating to the operations of all of the aforementioned producers have been included in this report for the years in which they produced watch movements.

^{2/} In 1964 the jewel counts of domestically produced movements containing more than 17 jewels ranged from 18 to 30 jewels. The difference between the cost of producing movements containing 17 jewels and that of producing those containing 21 jewels is usually much smaller than the cost of incorporating other features that more significantly affect the nature and quality of performance.

concerns in their U.S. watchmaking establishments are generally sold as an integral part of their watch "lines." Two of these concerns--Elgin and Hamilton--own subsidiaries \underline{l} which also secure watches and watch movements both from foreign countries and from the U.S. Virgin Islands. These subsidiaries also market these watches and watch movements through their own sales organizations, which are completely separate from those of the parent concerns. 2/

Certain imported watch-movement parts are obtainable at costs (landed and duty paid) significantly lower than the costs at which similar parts can be produced domestically. Although all U.S. producers imported some watch parts between 1954 and 1960, those parts probably accounted for only a small share of the total cost of parts incorporated in their domestic watch movements during those years. <u>3</u>/ After 1960 some concerns in foreign countries (other than Switzerland) began producing substantial quantities of parts for export, thus facilitating the increased use of foreign parts by certain U.S. producers. Large quantities are currently available from Japan, the United Kingdom, West Germany, and France. Some U.S. producers are increasing their use of imported parts. * * * Since 1956 U.S. Time has been importing an increasing share of the parts it uses.^{4/}

1/ The Helbros Watch Co. (acquired by Elgin in August 1963) and Vantage Products, Inc. (formed by Hamilton in September 1961).

2/ Inasmuch as the watch movements that have been imported by these subsidiaries are not prepared for sale in domestic watchmaking establishments, data on the operations of these subsidiaries are not included in the data shown in this report except where otherwise indicated.

 $\frac{1}{4}$ In 1962, imported parts (including jewels) accounted for about 50 percent of the total number of the parts used by U.S. Time in its domestically produced watch movements. * * *

^{3/ * * *}

In addition to preparing for sale the watches and watch movements that they import, all U.S. producers of watches manufacture other articles in their U.S. watchmaking establishments. The production of many of these other products requires a high degree of precision. Two of the concerns--General Time and Ingraham---are major producers of clocks, which they produce in those establishments.

Since 1954, five of the domestic producers--Bulova, Elgin, General Time, Hamilton, and U.S. Time--have purchased or expanded facilities for producing watch movements in foreign countries. 1/ All of them except Bulova had obtained production facilities in the U.S. Virgin Islands by May 1964. 2/

U.S. production, sales, and inventories

<u>Production</u>....The U.S. production of watch movements both in 1963 and in 1964 (12.2 million and 12.0 million units, respectively) was greater than that in any other year since World War II (table 4). The higher level of production in 1963 and 1964 was a continuation of the upward trend since the escape action was taken. The trend in aggregate production, however, does not coincide with the trends in the production of all types of watch movements.

1/ The domestic producers currently own or control 11 establishments in which watch movements are produced or assembled that are located in foreign countries. Bulova owns 2 in Switzerland; Elgin owns 1 in Switzerland; General Time owns 1 in Scotland; Hamilton owns 1 in Switzerland and controls 1 in Japan; and U.S. Time owns 1 in England, 1 in France, 2 in Scotland, and 1 in West Germany.

2/ Hamilton purchased the concern that is now its Virgin Island subsidiary in 1961; Elgin, General Time, and U.S. Time established their subsidiaries in the islands in late 1963 and early 1964. U.S. production of conventional jeweled-lever movements has declined significantly since the early 1950's. * * * The share of the production of conventional jeweled-lever watch movements comprised of 17-jewel movements declined from about 50 percent in 1954 to 13 percent in 1958. After 1958 a shift in the opposite direction occurred; by 1964, movements containing 17 jewels accounted for about 60 percent of all conventional jeweled-lever movements.

In contrast, the trend in the production of pin-lever watch movements has been significantly upward in recent years. * * * The increase in the production of pin-lever watch movements, as well as that in the production of all watch movements since 1954, has been accounted for almost wholly by the increase in the production of pin-lever wrist watches. * * * Since 1950 the output of pin-lever wrist watches has greatly exceeded that of jeweled-lever wrist watches, and since 1952 it has exceeded that of pinlever pocket watches.

The experience of individual producers of pin-lever movements has varied greatly from one to another. * * * Ingraham discontinued its production of wrist watches in 1959, and General Time did so in 1964. Contributing to the increased output of U.S. Time has been its production of men's 21-jewel watch movements, which began in 1961. * * *

Since the escape action was taken, the annual domestic production of men's 17-jewel wrist-watch movements has decreased both in quantity and relative to the production of all jeweled-lever movements---men's and women's. * * * $\frac{1}{2}$

About 9 percent of the wrist-watch movements produced in the United States in 1963 embodied special features. Most of those movements were self-winding movements; a small share of them were powered by electric cells; and an insignificant number were calendar watches and chronographs. 2/

Since the escape action was taken, the share of annual consumption supplied by domestically produced watch movements has varied irregularly between a high of 48 percent of the total and a low of 39 percent, with no discernible trend. In 1964 domestically produced watch movements supplied about 44 percent of the total. <u>3</u>/ U.S. production of jeweledlever movements supplied a smaller share of domestic consumption of all watch movements in 1964 * * * than in 1954 * * *. Conversely, U.S. production of pin-lever movements supplied a larger share of domestic consumption of all watch movements in 1964 * * * than in 1954 * * *.

The Commission found it impossible to obtain definitive data on the amount or trend of idle equipment in U.S. plants producing watch movements,

1/ * * * The tariff protection afforded the domestic production of movements containing more than 17 jewels is clearly greater than that afforded the production of 17-jewel movements. Although the duties on 17-jewel movements are greater for women's sizes than for men's sizes, the degree of tariff protection afforded the domestic production of those in women's sizes is not markedly greater than that afforded the production of those in men's sizes.

2/ For a description of the composition of U.S. production in 1963, by type of movement, see table 5.

3/ The share of consumption supplied by domestic production is overstated because the data on apparent consumption does not take account of watches entered by tourists returning to the United States or watches and watch movements smuggled into this country.

nor does the Commission know the extent to which the idle equipment is obsolete. Changes in the level of production by individual concerns do not reflect the extent to which equipment has been worn out, outdated, or sold, or to which specialized equipment has been used only part time when output was insufficient to require its full use. The equipment currently standing idle in individual establishments still producing watch movements ranges from a very small amount to a very large amount, compared with that in use. * * * The equipment formerly owned by Waltham, New Haven, and Precision Time has been either junked or sold to concerns other than those still producing watch movements.

<u>Producers' sales</u>.--The annual sales by U.S. producers of the watches and watch movements they manufactured in their U.S. establishments have varied widely since the escape action was taken, but the trend of aggregate sales has been upward in both quantity and value (table 6). Such sales in 1963 (12.2 million units, valued at \$98.3 million) were greater than in any other year since 1954. As indicated in the foregoing discussion on production, however, the share of total sales accounted for by conventional jeweled-lever movements declined materially between 1954 and 1964, while that accounted for by pin-lever movements increased.

As indicated earlier, all domestic concerns currently producing watch movements have also imported them in recent years. In 1963, U.S. producers[†] aggregate sales of watches and watch movements (imported and

domestic) 1/ prepared for sale in their U.S. watchmaking establishments totaled 15.0 million units, valued at \$143.8 million, and were greater in both quantity and value than in any of the preceding 10 years. Of the watches and watch movements sold through the U.S. watchmaking establishments, the share accounted for by imports, however, has not changed significantly since the escape action was taken. 2/ In 1963, imports accounted for 19 percent of the quantity and 32 percent of the value of such sales by domestic producers. These averages, however, obscure wide variations in the experience of the individual producers. * * *

The three domestic producers currently producing conventional jeweled-lever movements-Bulova, Elgin, and Hamilton-also import a large number of jeweled-lever movements. They generally market watches containing domestically produced movements at prices higher than those of

1/ The data on the sales by U.S. producers of watches incorporating imported movements that were prepared for sale in their domestic watchmaking establishments have been included in the data on the sales of all products of the establishments. The value added in the establishments to the imported watch movements (dials, timing, cases, bands, and boxes, as well as merchandising costs) accounts for the major part of the sales value of most of the watches containing such imported movements. The bulk of the movements imported by the U.S. producers are cased in the United States in domestically made cases.

2/ This discussion of the sales of watches and watch movements prepared for sale in U.S. watchmaking establishments does not include the sales of watches by U.S. producers through the Helbros Watch Co. (a subsidiary of Elgin) and Vantage Products, Inc. (a subsidiary of Hamilton). Watch movements imported by these subsidiaries were not prepared for sale in the domestic watchmaking establishments. For the share of U.S. imports accounted for by U.S. producers, including these subsidiaries, see the section on U.S. imports. most of their watches containing imported movements. This practice has operated to restrict sales of watches containing their domestic movements, while the market for their watches containing imported movements has been expanding. * * * This trend, moreover, appears to be continuing. The smaller sales of watches containing domestic movements are reflected in increased unit costs and increased prices; the increased prices in turn lead to further contraction of the market for such watches.

In each of the years since 1954 the concerns producing watch movements in the United States supplied more than half of all watch movements entering consumption. 1/ The share they supplied has varied annually since 1954 but with no apparent trend. Their greatest annual participation in 1954-63 occurred in 1963, when they supplied 63 percent; their participation was almost as high in 1964 (59 percent). The respective shares of jeweled-lever and pin-lever watch movements entering consumption that have been supplied by these concerns since 1954 have also varied with no apparent trend. * * * About three-fourths of all the movements these concerns supplied in 1963 were domestically produced; * * * (table 7). These shares were about the same in 1964 as in 1963.

^{1/} In 1954-64 the number of concerns varied from 6 to 8; the number of movements they supplied includes not only domestic production but also their imports and the shipments they received from the U.S. Virgin Islands, as well as the imports and Virgin Island shipments of the two subsidiaries---the Helbros Watch Co. and Vantage Products, Inc.

The share of the total annual sales value of all of the products of the U.S. watchmaking establishments sold during 1956-63 that was accounted for by domestically produced watches and watch movements varied from 44 percent in 1959 to 36 percent in 1961; the ratio in 1963---the latest year for which the Commission has such data-was 42 percent. The share of the total sales accounted for by all watches and watch movements (domestic, imported, and those obtained from the Virgin Islands) prepared for sale in those establishments ranged from 55 percent in 1956 to 68. percent in 1959; the ratio was 61 percent in 1963. During 1953-55 these establishments sold an unusually large amount of products other than watches and watch movements --- principally articles supplied under defense contracts. These large sales of other products resulted in domestic watches and watch movements accounting for 29 percent and all watches and watch movements accounting for 44 percent of the total sales in 1953-55.

Before 1964 none of the watches sold through the domestic watchmaking establishments contained movements assembled in the U.S. Virgin Islands. * * * In early 1965, the annual sales through domestic watchmaking establishments of watches containing Virgin Island movements began to increase substantially and probably will continue to do so in the absence of any action specifically directed to prevent it, if the U.S. duties are not reduced significantly on competitive movements imported from foreign countries.

Producers' inventories.--Inventories of domestic watch movements held by U.S. producers were substantially greater at the end of 1963

(1.4 million units) than at the end of any earlier year as far back as 1954 (table 8). * * *

U.S. imports

Annual imports of watch movements have increased substantially during the past decade. Although the number imported was 7 percent smaller in 1964 (12.9 million units) than in 1962, 1/ it was 43 percent greater in 1964 than in 1954 (table 3). 2/ During 1954-64 the number of movements imported annually ranged from a low of 9.0 million units in 1954 to a high of 13.8 million units in 1962. Notwithstanding the increase in imports during 1954-64, the share of apparent domestic consumption of watch movements supplied by imports fluctuated irregularly with no apparent upward or downward trend for the ll-year period. The ratio of imports to consumption in the period 1954-64 varied from a high of 61 percent in 1957 to a low of about 47 percent in 1964. A decline in the

1/ When the number shipped from the Virgin Islands is combined with the number imported from foreign countries, the total number imported was 7 percent greater in 1964 than the total imported in 1962 (table 9). 2/ The data on imports of watch movements reported by the Tariff Commission understate the actual quantities of foreign watch movements entering the United States because such data do not include watch movements smuggled into this country or the watches entered by tourists returning to this country. The official statistics on imports of movements reported by the U.S. Department of Commerce tend to understate such imports for the same reason; however, for periods up to Sept. 1. 1963, the Department's statistics on imports of movements tend to overstate such imports, since those statistics include all movements. less than 1.77 inches in width that enter commercial channels in clocks. The data on imports of watch movements reported by the Commission have been calculated by subtracting from the data reported by the Department of Commerce the estimated quantities of such small-clock movements.

share occurred in each of the 4 years 1961-64, reflecting not only the increased shipments from the Virgin Islands but also the increased sales of U.S.-produced pin-lever watches. The ratios (based on quantity) of imports of watch movements to apparent U.S. consumption of all watch movements in 1951-64 were as follows: 1/

Year	$(\frac{\text{Ratio}}{\text{percent}})$	Year	Ratio (percent)
1951	49	1958	52
1952	56	1959	54 .
1953	59	1960 her spil des préser her par best une best des automations	58
1954	56	1961	56
1955	53	1962	53
1956	57	1963-	49
1957	61	1964	47

Significant changes have occurred in the composition of imports by type, unit value, and source. The number of jeweled-lever watch movements imported annually declined from 7.0 million units in 1954 to 5.6 million units in 1958; thereafter the number rose, amounting to 8.1 million units in 1962 and 7.3 million units in 1964. 2/ The rise in annual imports of jeweled-lever movements since 1958 is accounted for almost wholly by increased imports by the domestic producers of watch movements. The share of the domestic consumption of all watch movements

^{1/} Shipments from the Virgin Islands were included in apparent U.S. consumption but not included with the imports in determining these ratios. If shipments from the Virgin Islands, which began in 1959, were added to the imports, the ratios for 1959 and 1960 would remain the same as shown in the tabulation, but the ratios for subsequent years would be as follows: 1961, 57 percent; 1962, 54 percent; 1963, 53 percent; and 1964, 56 percent.

^{2/} For the purposes of this report, it is assumed that virtually all of the imported movements reported as containing two or more jewels contain seven or more jewels and are jeweled-lever movements.

that was supplied by imported jeweled-lever movements was smaller in 1964 (about 27 percent) than that in 1962 (31 percent). The corresponding ratio based on the aggregate of those imports plus the shipments from the Virgin Islands, however, was greater in 1964 (about 35 percent) than in 1962 (32 percent).

From 1954 to 1959, annual imports of pin-lever watch movements more than tripled, reaching a peak of 6.4 million units in 1959. Such imports decreased almost every year thereafter to 4.9 million units in 1963 and then rose to 5.6 million units in 1964. The share of the domestic consumption of all watch movements supplied by imported pin-lever movements was about 20 percent in 1964, compared with 12 percent in 1954. The rise of imports of pin-lever movements in 1954-59 is attributable principally to their increased consumer appeal. The decline in such imports in 1959-63 resulted principally from the increased sale of Timex watches and the increased shipment of low-cost jeweled-lever movements from the Virgin Islands.

Watch movements containing more than 17 jewels at the time of importation have never accounted for a significant proportion of the imports of all jeweled-lever movements. The number reported, however, has generally understated the number of imported movements that ultimately embody more than 17 jewels when they enter consumption. Some importers add jewels in the United States to movements imported as 17-jewel movements. Although only 28,000 watch movements were reported as containing more than 17 jewels at the time they were imported in 1963, it is estimated that the jewel counts of an additional 200,000 imported 17jewel movements were increased after importation. In addition, 384,000 movements containing more than 17 jewels were received from the U.S. Virgin Islands in 1963. The aggregate of the imported watch movements containing more than 17 jewels when they entered consumption in 1963, including those whose jewel counts were increased subsequent to importation, plus the shipments from the Virgin Islands, was probably about 612,000 units. 1/ * * *

The share of imports consisting of self-winding watch movements appears to have increased substantially in recent years. Almost all imported self-winding movements incorporate jeweled-lever escapements. In 1963 an aggregate of 1,162,000 jeweled-lever movements obtained from foreign countries and from the U.S. Virgin Islands incorporated selfwinding mechanisms. Self-winding devices (also imported) were attached in the United States to an estimated additional 123,000 imported jeweledlever movements. 2/ The aggregate of these jeweled-lever movements obtained from foreign countries and the Virgin Islands that embodied self-winding devices when they entered consumption in 1963 (about 1,285,000 units) accounted for 14 percent of all imported jeweled-lever

1/ Available information indicates that the upjeweling of watch movements in the United States has been substantially curtailed since 1960 because low-cost movements containing more than 17 jewels could be readily obtained duty-free from the U.S. Virgin Islands.

2/ There is no economic incentive to add a self-winding device in the United States to an imported pin-lever movement. The type of jeweled-lever movement suitable for use with a self-winding device may also be used without adding such a device.

watch movements and supplied about 90 percent of the self-winding jeweledlever movements consumed in that year. 1/

Before 1954 virtually all U.S. imports of watch movements came from Switzerland. By 1963 the estimated share of imports supplied by Switzerland had declined to 88 percent of the total; in that year the estimated share supplied by West Germany was 5.9 percent; Japan, 3.5 percent; and The share supplied directly and indirectly by France, 2.2 percent. 2/ each of the latter three countries would be slightly greater, however, and that for Switzerland substantially smaller (71 percent), if the data were adjusted to include shipments from the Virgin Islands classified according to the country of origin of their parts. Almost all of the movements shipped from the islands were assembled from parts and subassemblies obtained from West Germany, Japan, and France because the Swiss watch industry has discouraged the exportation from Switzerland. of parts that would be used for assembly into watch movements elsewhere. The aggregate shares of the U.S. market supplied both directly and indirectly by each foreign country in 1963 differ significantly from the

2/ These ratios are based on estimates of the number of watch movements imported, by country of origin, because official import statistics of the U.S. Department of Commerce for periods prior to Sept. 1, 1963, do not distinguish between imports of watch movements and imports of other movements less than 1.77 inches in width that entered commercial channels in clocks. For data on imports of all movements with pillar plates that are less than 1.77 inches in width, as reported by the Department of Commerce, see table 10.

^{1/} Not included in the calculation of the 90-percent ratio were a large number of 21-jewel self-winding movements produced domestically by U.S. Time.

shares of the world market they supplied. During the past decade the great expansion of the watchmaking industries in Japan and the Soviet Union, and to a lesser extent of those in West Germany and France, has operated to reduce the share of the world market supplied by Switzerland.

The annual average foreign unit values of most categories of imported movements have varied irregularly since 1954 with no apparent trend except possibly for 17-jewel movements (table 11). The average unit value of such imported movements declined from \$7.11 in 1954 to \$5.61 in 1961. Notwithstanding a reported slight increase that occurred in the following 2 years, the downward trend in the actual average unit value of imported 17-jewel movements probably continued through 1963. 1/ The decline is attributable largely to the increasing share of the total accounted for by lower priced watch movements imported principally from Switzerland, which have been available in increasing number. 2/

As noted earlier, U.S. watch producers have accounted for an irregularly rising share of the aggregate of all watches and watch movements

2/ These watch movements in both men's and women's sizes are among a succession of new or altered models that have been supplied over the years by foreign producers to compete at lower prices in the United States and other countries. The most recently developed movements are frequently referred to as the Swiss battle movements, as they can be imported at costs substantially below those of other jeweled-lever movements, at some sacrifice of quality. These movements are being imported by at least two domestic producers, as well as by other importers that do not produce any movements in the United States.

^{1/} Unit value data for the full year are estimated, inasmuch as actual comparable data are not available for the years after 1962, because of the changes that were made in the method of reporting imports under the Tariff Schedules of the United States, effective Aug. 31, 1963.

imported from foreign countries and obtained from the U.S. Virgin Islands since 1954 (table 12). In 1964 they secured 4.2 million units from these sources, which accounted for an estimated (1) 27 percent of that aggregate, * * *. 1/

No reliable estimates are available on the number of watch movements smuggled into the United States each year. Most of those that have been seized by the U.S. Treasury Department have been 17-jewel movements in women's sizes. If smuggling were curtailed, retailers of watches containing smuggled movements would probably sell instead more watches containing other low-cost movements obtained from the Virgin Islands or foreign sources.

Shipments from the U.S. Virgin Islands

A watch-assembly industry has been growing in the U.S. Virgin Islands since late in 1959. Watch parts, including assemblies and subassemblies, imported into the islands are dutiable at 6 percent ad valorem. Watch movements assembled in the islands enter the customs territory of the United States free of duty (pursuant to general headnote 3(a) of the TSUS) 2/ if they do not contain foreign materials having a landed cost in the Virgin Islands of more than 50 percent of their appraised value when they enter the United States. All of the watch movements currently assembled in the islands are considered by the U.S. Bureau of Customs

^{1/} Includes imports by the Helbros Watch Co. and Vantage Products, Inc. 2/ Before Aug. 31, 1963, duty-free treatment was provided for by sec. 301 of the Tariff Act of 1930, as amended.

to meet this requirement. The assembly operations, therefore, provide U.S. importers a means of avoiding the duties applicable to watch movements imported from foreign countries.

Under a program of the Virgin Islands Government designed to stimulate the establishment of industry on the islands, manufacturing concerns may be granted exemptions from major taxes and given rebates of most other taxes paid under certain conditions for periods as long as 10 years. 1/ By 1965 four watch-assembly concerns had been granted such subsidies. During the last few years, several other watch-assembly concerns have petitioned for such subsidies, but the subsidies have not yet been granted.

By the close of 1964, 11 concerns were assembling watches in the Virgin Islands; 4 of them are owned by U.S. watch-producing concerns (Elgin, Hamilton, General Time, and U.S. Time), and at least 5 of the other 7 plants are owned by major U.S. importers. During 1964 the output of the plants owned by the aforementioned U.S. producers accounted for a large share of the output of watch movements in the islands, and that share is expected to increase in the absence of any special measures to prevent that expansion.

The number of watch movements shipped into the customs territory of the United States from the islands has increased sharply each year

^{1/} This program provides, among other benefits, for a subsidy equal to 90 percent of the import duties paid, which results in an effective rate of duty on imported watch parts of 0.6 percent for the concerns accorded these benefits.

since such shipments began in late 1959 (table 13). These shipments rose from 4,900 units in 1959 to more than 2.4 million units in 1964.

Virtually all of the shipments have consisted of jeweled-lever wrist-watch movements. The number of such movements shipped from the islands to the United States in 1964 was * * * about 9 percent of all watch movements * * * consumed in the United States. About a sixth of the movements shipped during 1964 contained more than 17 jewels. Most of the movements are conventional types, some of which incorporate selfwinding or calendar devices.

The method of assembly used in the islands does not vary greatly from plant to plant. Each concern usually obtains all of the parts for a particular type of movement from the same foreign supplier; the parts are received both as unassembled parts and as subassemblies. Usually the major share of the parts are already assembled. Several plants are attempting to assemble a small number of movements almost wholly from individual parts on an experimental basis. Almost all of the parts are currently obtained from Japan, West Germany, and France; a small quantity is obtained from the Soviet Union. Two concerns which are no longer in business are believed to have used Swiss parts for a very short period.

The movements assembled in the islands are sold in the United States either to their U.S. parent concerns, to retailers of "private" brands, or to other importers, at prices ranging from \$4 to \$8 per movement. Virtually all of such movements are incorporated in watches that are sold at retail at prices ranging from \$12 to \$25. A few of the movements are fitted in expensive cases and sold at higher prices. Most of the movements assembled in the islands are comparable in quality to the lower priced jeweled-lever movements imported from Europe and Japan.

The Virgin Islands concerns appear to have the capacity to produce substantially more jeweled-lever movements in 1965 than they shipped in 1964. It is not currently clear, however, how successfully they could meet any increased competition that might result from reductions in the U.S. rates of duty, which in turn would reduce the difference in landed cost in the United States between movements from the Virgin Islands and those from foreign sources. If any governmental action (e.g., a reduction of U.S. rates of duty on watch movements, or restriction of the U.S. duty-free entry of shipments from the islands) should lead to a reduction or termination of these shipments, the U.S. concerns presently importing Virgin Islands movements would probably turn increasingly to low-priced jeweled-lever watch movements imported from other sources.

Employment in U.S. establishments

Although total employment of workers in the production of watches and watch movements in U.S. establishments was slightly smaller in 1963 than in most earlier years as far back as 1954, there was no discernible trend (table 14 1/); such employment, therefore, did not parallel the

1/ The data on man-hours include only those devoted to production of domestic watches and watch movements. The number of workers includes all those engaged in the production of watches and watch movements (whether domestic, imported, or shipped from the Virgin Islands); almost all of those who worked on imports also worked on the domestic product. rise in annual production during 1954-63. The rise in employment in the production of pin-lever watches was accompanied by (1) reduced employment in the production of jeweled-lever watches and watch movements, (2) increased use of imported parts by U.S. Time since 1961, and (3) the termination in 1963 by General Time of most of its production of wristwatch parts.

In 1963 there were 6,575 workers engaged in producing watches and watch movements, and they devoted a total of 12.4 million man-hours to those products in that year. Between 1954 and 1964 the number of manhours worked annually ranged between a high of 16.5 million (in 1959) and a low of 11.1 million (in 1961). Notwithstanding the increase in employment in the casing, timing, and other processing of imported watches and watch movements in U.S. watchmaking establishments that occurred in 1962 and 1963, such employment was small compared with employment in producing domestic watches and watch movements.

Before 1958, man-hours of employment in the production of watches and watch movements were substantially greater in establishments making jeweled-lever watches than in establishments making pin-lever watches. In 1958 and since then, however, employment in establishments making pin-lever movements has been the greater. Employment in the production of jeweled-lever watches was smaller in 1963 than in most other years of the past decade, but greater than either 1958, 1961, or 1962. On the other hand, employment in the production of pin-lever watches in 1963 about equaled the annual average for all the years since 1954, but was less than the annual average for the last 6 years, notwithstanding the rise in production that had occurred.

During 1956-62 most of the man-hours worked by the production and related workers employed in U.S. watchmaking establishments (on all products) were devoted to the production of domestic watches and watch movements; in 1963, however, slightly less than half of the total number of man-hours was thus accounted for. Man-hours of employment at these establishments in the production of other products (including imported watches and watch movements) declined almost regularly from 1954 through 1960, but rose slightly in the following 3 years, totaling 13.9 million man-hours in 1963.

There is little opportunity in U.S. watchmaking establishments for shifting workers who would be displaced by reduced or discontinued domestic production of watch movements to employment on imported watch movements. Although imports accounted for 19 percent of all watches and watch movements prepared for sale in U.S. watchmaking establishments in 1963, employment on such imports accounted for only 6 percent of the man-hours worked on all watches and watch movements. Virtually all the man-hours devoted to imports were accounted for by establishments producing conventional jeweled-lever movements. Although more imported than domestic movements were sold through such establishments in 1963, employment on imports accounted for only 11 percent of the total employment in them on all watches and watch movements. * * *

The wide disparity between the employment afforded on imports and that afforded on domestic watches and watch movements sold by any of

the U.S. watchmaking establishments is attributable to the greater amount of labor required to produce a watch movement than to prepare a completed movement for sale. Work on imported movements consists principally of such operations as timing, inspecting, casing, attaching watch bands, boxing, and otherwise preparing the movements for shipment. Work on virtually all domestically produced movements, on the other hand, consists not merely of virtually all that is required to prepare imported movements for sale, but also the much greater amount of labor required to produce parts and assemble them into a movement. In 1963 an average of 3.1 man-hours was worked on each movement in the U.S. establishments making jeweled-lever movements; an average of 0.7 man-hour was worked on each movement in establishments making pin-lever movements. In con+ trast, an average of 0.3 man-hour was worked in U.S. watchmaking establishments on each imported jeweled-lever watch movement in preparing it for sale.

If the domestic production of watch movements were discontinued but sales of watches and watch movements by U.S. watchmaking establishments were maintained at the 1963 level by an expansion of imports, employment on watches and watch movements in U.S. establishments would probably not equal a third of what it was in 1963.

U.S. producers² profit-and-loss experience

The Commission obtained usable profit-and-loss data for all of the years 1959-63 from all seven domestic concerns that produced watch move-

ments during that period. $\underline{1}/$ The profit-and-loss data included in this report relate only to the 15 U.S. establishments in which these 7 concerns produced watch movements; 1 of the 7 producers--Ingraham--was unable to furnish separate financial data on the manufacture and sale of watches and watch movements, but did furnish data on the overall operations of its establishments in which watches were made. 2/

Aggregate net operating profits on all products for the 15 establishments declined from \$19.9 million in 1959 to \$11.7 million in 1960; thereafter the aggregate profits rose substantially each year and amounted to \$24.0 million in 1963 (table 16). The ratio of aggregate net operating profits to aggregate net sales was 9.7 percent in 1959, 5.8 percent in 1960, 7.8 percent in 1961, 9.0 percent in 1962, and 10.1 percent in 1963.

During 1963, the most recent fiscal year for which financial data are available, almost three-fourths of the income from sales by the seven producing concerns was accounted for by the establishments in which their watches were made (table 15). <u>3</u>/ Almost two-thirds of the sales income of these establishments, in turn, was derived from sales of watch products (domestic and imported); 41.5 percent was derived from their sales of domestically produced watch products and 19.4 percent from their sales of imported watch products.

^{1/} The New Haven Clock & Watch Co. is the only concern that produced watch movements during any part of the 1959-63 period for which no profitand-loss data were obtained. That concern went out of business in 1959. In this report, as stated earlier, the data for the Eastern Watch Co. have been combined with those for U.S. Time.

 $[\]frac{2}{3} \times \times \times$

During each of the years 1959-62 the ratio of aggregate net profits to net sales for the watchmaking establishments of the six concerns (all except Ingraham's) was substantially higher for their sales of watches containing imported movements than that for their sales of domestically produced watches (table 16). In 1963, however, the profit ratio for sales of domestic watches was higher than for sales of watches containing imported movements; * * *.

The aggregate net operating profits of six of the concerns (all except Ingraham) on their sales of domestic watches and on their sales of watches containing imported movements are shown below for 1959-63:

	,		Profit	is on
	Profi	ts on	watches of	ontaining
	domestic	watches	imported	movements
	Amount	Ratio to	Amount	Ratio to
	(1,000	net sales	(1,000	net sales
Year	dollars)	(percent)	dollars)	$(\underline{percent})$
1959	8,549	9.8	6,824	15.4
1960	5,548	6.5	4,380	10.6
1961	4,402	5.7	5,136	12.2
1962	6,932	7.6	5,704	12.3
1963	12,394	12.4	3,654	8.0

The decline in the profitability of the sales of domestic watches from 1959 to 1961 was experienced in varying degree by all six concerns. * * *

In 1963 the ratio of net operating profits or losses to net sales for the six concerns (all except Ingraham) on their domestic watches and watch movements varied widely, * * *.

APPENDIX

·

		and contra			
TSUS item	: TSUS : : appendix: : item :	(in dollars and cents each) Article	Statutory rate <u>l</u>	Trade- agreement rate 2/	Escape- action rate 2/
716.08		Watch movements, assembled, without dials or hands, or with dials or hands whether or not assembled thereon: Having over 17 invels	۵. 7. ۲. 01	/1 52.0L8	10
-	· · · · · ·	no jewels or not over 1 adjusted, not self-windir be incorporated therein), perate for a period in e	<u>}</u>		โI
01.917	: 932.10 : 932.10	Having no jewels or only 1 jewel: Not over 0.6 inch in width	05.L\$	9 0 0 0	
716.12		0.8 but not over 0.9 inch in	\$1.20 \$1.20	9. 90 9. 10 10 10	
716.14	: 932.13 : : 932.14 :	0.9 but not over 1 but not over 1.	93¢.05	754	81.05. 93¢.
716.15 716.16	: 932.15 : : 932.16 :	<pre>1.2 but not over 1.5 inche 1.5 butless than 1.77 inch</pre>		75¢ 1/ :: 75¢ 1/	
716.20	: 932.20	Having over 1 jewel but not over 7 jewels: Not over 0.6 inch in width	رن بر		
716.21	: 932.21	0.6 but not over	100 100 100 100 100 100 100 100 100 100		\$2.025.
716.23	: 932.22 :	0.9 but not over U.	\$1.75		\$1.75.
716.24 716.25	: 932.24 : : 932.25 :	Over 1 but not over 1.2 inches in width	\$1.55 \$1.40	: 20¢ €/_ 90¢	81.35. \$1.35.
716.26	: 932.26 :	1.5 butless	\$1.25	÷ 2/2 ≠06	\$1.25.
716.30	: 932.30 :	AVING OVER / DUT NOT OVER L/ JEWELS: Not over 0.6 inch in width	\$2.50)	\$1.80) :	\$2.50)
716.31	: 932.31 :	Over 0.6 but not over 0.8 inch in width	\$2.25) plus		\$2.325) plus
716.33	. 932.33 :	0.9 but not over 1			\$1.75) for each
716.34	: 932.34 : : 932.35 :	Over 1 but not over 1.2 inches in width	: \$1.55) jewel :	90¢) jewel : 90¢) over 7 :	\$1.35) jewel \$1.35) over 7
716.36	: 932.36	than 1.77 inches in width) to 5	52.
/	:/ <u>/</u> cck :	I-WINGING (and II a SELF-WINGING (therein), and not constructed o	base rate + : \$1.00 for each:	Base rate + : \$50¢ for each :	· /2
7187/	: 934 <u>7</u> /:	operate for a period in excess of 47 hours without rewinding. Self-winding (or if a self-winding device can be incorporated therein), or constructed or designed to operate for a period in excess of 47 hours without rewinding, but not adjusted.	adjustment. <u>8</u> /: Base rate + : \$1.00. :	adjustment. <u>8</u> /: Base rate + : 50¢. :	Base rate ↓ 75¢.
				•• ••	
				•••••	
See foot	See footnotes at end of table.	d of table.			

Table 1.--Watch movements: U.S. rates of duty set forth in the Tariff Schedules of the United States (TSUS)

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See footnotes at end of table.

Table 1.--Watch movements: U.S. rates of duty set forth in the Tariff Schedules of the United States (TSUS) ---Continued

adjustment. 8/ Base rate + 75¢ + 50¢ for each action 3/ Lscaperate agreement rate $\frac{2}{}$ Base rate + 50¢ + 50¢ Tradefor each : Base rate + : : \$1.00 + \$1.00 : adjustment. 8/: Statutory rate <u>1</u>/ for each incorporated therein), or constructed or designed to operate for : a period in excess of d7 hours without rewinding. : Watch movements, assembled, without dials or hands, or with dials or Having no jewels or not over 17 jewels--Continued Adjusted and self-winding (or if a self-winding device can be (In dollars and cents each) hands whether or not assembled thereon--Continued Article : TSUS :appendix <u>/1---2/: 935.--7/</u> item TSUS item

1/ The statutory rates of duty set forth in col. 2, pt. 2E, schedule 7 of the TSUS; they are the same as those imposed under the Tariff Act of 1930.

2/ Rates of duty set forth in col. 1 or col. 1-a, pt. 2E, schedule 7 of the TSUS, which reflect concessions originally granted in the trade agreement with Switzerland (T.D. 48093), effective Feb. 15, 1936.
3/ Temporary rates of duty set forth in pt. 24 of the appendix to the TSUS, which were placed in effect on July 27, 1954, by Proclamation No. 3062 pursuant to the escape-clause procedure.

1/ The statutory rate of duty, although not reduced, was bound against increase by a concession granted in the trade agreement with Switzer-

5/ No change in the rate of duty was made by the escape action. 5/ No concession was granted, and the statutory rates of duty remained the most-favored-nation rates of duty with respect to watch movements containing less than 7 jewels and containing a bushing or its equivalent (other than a substitute for a jewel) in any position customarily occupied by a jewel. 7/ The full item citation for the movement is the 3 digits shown plus the last 2 digits of the appropriate base rate shown above. 8/ Adjustment to temperature is treated as 2 adjustments, as provided in TSUS headnote 3(e), pt. 2, schedule 7.

Table 2.--Watch movements: U.S. rates of duty placed in effect on watch movements (classified by jewel count) in 1930, 1936, and 1954

			1930 I/					1936 2/					1954 3/		
Articles	: 0-1 : ; jewel :	2-7 :1 jewels :	IS jew-: els <u>u</u> / :	17 jew-: els <u>h</u> /:	-:Over 17: /: jewels :	0-1 : jewel :	: 2-7 : jewels :	:15 jew-:1 :els <u>4</u> /:e	10	jew-:0ver 17: : <u>4</u> / : jewels :	0-l jewel	: 2-7 : jewels	:15 jew- :els u/	::17	:Jewels
and a stand of the second stand and a stand of the second standard and a standard standard standard standard st															
Watch movements:	••	••	 - - -	 1 4					 0 1		l t t				10.0
More than I.5 inches wide		••				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		: 20.1¢			0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		((·)¢:	02.00	
More than 1.2 inches out	: 10. :	T.40	· 00. v	2.70	: CI-DT :			: 20.1			• •	11.4		0	
not more than 1.5 inches	••••	••••	•• •				••••	•• •	~ • •						•••••
Witte.		 ບັນ ເ	. ur c	ນ ເ		ч ч ч		су г	 		6	 	· · / · ·		10 70 .
More than I inch out not				5		<u>.</u>	·· ·								
More than 1.2 inches wide.		՝ Դ Ր	ייי ט כ	10 0 0		1 1 1 1		- -		10 70 7	น 2	. 1 76	• • • •	,	ע ייס אנ
More than 0.9 inch but not	: <^	T•(> :	:		: C).NT :	<u> </u>	: NZ.T	: -74 :		: C/.NT :	г. Т.	C) - T - [)	Cn•7 :	01-0	C) • NT :
more than I inch wide.	••	••	••			 1			l d		- - -			۲ ۲	1 1 1 1 1 1
More than 0.8 inch but not	: 1.20 :	2 . 00	3.20 :	3.50	: 47.0I :	: 52.	: -11	2.07 :	2.27	: <7.0I :	L.125	. 2.00	: J.08		<2.0T :
more than 0.9 inch wide.	••	••	••		••		••	••	.,		•	••	, ,,	••	••
More than 0.6 inch but not	: 1.35 :	2.25 :	3.45 :	3.75 :	: 10.75 :	75 :	: I.35 :	2.07 :	2.25 :	: IO.75 :	1.125	: 2.02 <u>5</u>	: 3.10 <u>5</u>	: 3.375	: IO.75
more than 0.8 inch wide.	••	••	••		••	••	••	••		••			••	••	
Not over 0.6 inch wide.	: 1.50 :	2.50 :	3.70 :	1.00	: 10.75 :	. 90	: 1.80 :	2.52 :	2.70 :	: IO.75 :	1.35	: 2.50	: 3.58	: 3.85	: 10.75
	:-] 			Ì							J		.,]	••
All the foregoing (except		>					•			••			•		••
movements containing	••				••										
over 17 jewels):	••														••
If adjusted.	: \$1.00 ex	\$1.00 extra for	each		יי איז	: \$0.50 e	\$0.50 extra for	· each		 	: \$0.50 extra	extra for	ur each		
	: adjustment.	ment.		.,		: adjustment.	ment.				: adjustment.	tment.			
If self-winding or if	: \$1.00 extra	ctra			יי או	: \$0.50 e	atra		••	 VI	\$0.75	extra			
designed to operate in						_							,		••
excess of 47 hours					•••										
without rewinding.					••										••
)										••					
1/ Rates of duty imposed under par.	ler par. 36	57(a) of	the	Tariff Act of	of 1930.										
Z/ Rates in effect beginning Feb. 15, 1936.	Feb. 15,	1936.													
$\overline{3}$ /Rates in effect beginning	July 27.	1954.													
1. Dates and isoble to morements containing 8-17	arte conte	ining 8	-17 ierrele	040	the sums	of the r	of the rates annitiable to movements with	Jicable	to moven	Tents wit	1 2-7 it	2-7 iewels nlus		addi ti onal	dutv
H/ Kates applicante to movem	IGN US CUIL VA	O SHITTLE	DADC IT-	D J P	<i>a</i> E E i <i>s</i>	7 2170 10	ימותנט מער	DTODOTT	10 110 01		う 217 TF	10 01080	110		

for each jewel in excess of 7. That additional duty imposed under par. 367(a) of the Tariff Act of 1930 was 15 cents per jewel; the duty under the trade agreement with Switzerland was 9 cents per jewel; and the corresponding duty pursuant to the escape action is 13-1/2 cents per jewel.

			I	(In thous	ands of u	nits)			•
:		Domestic	watch mo	vements		Imported	l watch move	ements <u>1</u> /	
: Period :	Jeweled-	:	Pin-lever		:	:	ning		: All watch : movements
:	lever	Pocket	Wrist	Total	. Total :	: 2 or more: : jewels :	0-l jewel	Total	:
:	(1)	: (2)	: (3)	: (4)	: (5)	: (6) :	(7) :	(8)	: (9)
1951 1952 1953 1954 1955 1956 1958 1958 1959	2,312 2,301 1,670 1,871 1,996 1,453 917 1,574	: 3,320 : 2,744 : 2,611 : 2,852 : : 3,592 : 1,663 : 2,528	: 2,729 : 3,292 : 2,902 : 3,635 : : 3,698 : 4,666	: 6,049 : 6,036 : 5,513 : 6,487 : : 7,290 : 6,329 : 8,531	: 8,337 : 7,183 : 8,358 : : 9,286 : 7,782	: 8,607 : 9,613 : 7,045 : 6,062 : 6,904 : 6,910 : 5,581 : 7,068 :	2,270 : 2,262 : 1,972 : 3,293 : 5,358 : 5,333 : 4,806 : 6,404 :	10,877 11,875 9,017 9,355 12,262 12,243 10,387 13,472	: 19,238 : 20,212 : 16,200 : 17,713 : 21,548 : 20,025 : 19,835 : 24,759
1961 1962 1963 1964 <u>3</u> /	$\frac{\overline{2}}{2}$	$\frac{2}{2}$	$\begin{array}{c} 2/\\ \overline{2}/\\ \overline{2}/\\ \overline{2}/\\ \overline{2}/\\ \overline{2}/\\ \overline{2}/\\ \end{array}$: 2/	9,668 11,919 12,135 11,970	: 8,083 : : <u>3</u> / 7,838 :	5,715 : 3/4,907 :	13,798 <u>3</u> / 12,745	: 26,137 : <u>3/</u> 25,937

Table 3.--Watch movements: Estimated apparent U.S. consumption, by type and origin, 1951-64

1/ Virtually all of the movements reported as containing 2 or more jewels contain 7 or more jewels and are jeweled-lever movements (col. 6); all of those containing 0-l jewel are pin-lever movements (col. 7). 2/ Data are confidential; publication would reveal the operations of individual concerns. Data were furnished to the President.

3/ Preliminary.

Source: Compiled from data in tables 4, 9, and 13.

Note.--The apparent consumption of "Domestic watch movements" was calculated by subtracting from watch movements produced in the customs territory of the United States the estimated U.S. exports of watches containing such movements; the apparent consumption of "Imported watch movements" was calculated by subtracting from imports from foreigh countries (1) the number of watches containing imported movements that were exported with benefit of drawback and (2) for periods prior to Sept. 1, 1964, the estimated number of movements measuring less than 1.77 inches in width that entered commercial channels in clocks; and the apparent consumption of "All watch movements" was calculated by adding "Domestic watch movements" (col. 5), "Imported watch movements" (col. 8), and shipments of watch movements from the U.S. Virgin Islands into the U.S. customs territory.

Table 4.--Watch movements: U.S. production, by type of movement, 1951-64 1/

		(1n t	nousands	s of unit	<u>(s)</u>		
	Jeweled-lev	er moveme	ents <u>2</u> /	Pin-1	ever mov	ements	
Period	Containi	.ng lore th a n	Total	Wrist	Pocket	: Total 4/	All movements
	:jewels <u>3</u> /:1					:	
1951 1952 1953 1954 1955 1956 1957 1958 1959	: 1,523 : : 1,110 : : 846 : : 701 : : 21,110 : : 846 : : 714 : : 460 : : 116 :	879 : 1,216 : 870 : 1,225 : 1,352 : 1,073 : 831 :	2,433 2,365 1,716 1,926 2,066 1,533	3,242 2,758 3,314 3,000 3,680 3,745 4,683 6,026	3,295 2,709 2,596 2,874 3,606 1,681 2,498	: 6,121 : 6,076 : 5,680 : 6,566 : : 7,383 : 6,373	8,554 8,441 7,396 8,492 9,449 7,906 9,503
1960			$\frac{1,014}{5}$	5/ 5/	5/	: <u>5</u> / :	11,334 9,555
1961 1962 1963 1964 <u>6</u> /	: <u>5</u> / : : <u>5</u> / :	5/	5/ 5/ 5/	5/ 5/ 5/	5/ 5/ 5/	: 5/ : 5/ : 5/	9,712 11,939 12,159 11,995

(In thousands of units)

1/ Data do not include watch movements assembled in the U.S. Virgin Islands. $\overline{2}/$ There was no production of jeweled-lever movements containing 7 or fewer jewels in the period covered by this table.

3/ Includes for some years an insignificant number of jeweled-lever movements having fewer than 17 jewels.

 $\underline{4}$ The small differences between the totals shown and the sums of the production of pocket watches and wrist watches are accounted for by the inclusion in the totals of a small production of watch movements sold as such, and of watches other than wrist watches and pocket watches, in some years.

 $\frac{5}{2}$ Data are confidential; publication would reveal the operations of individual concerns. Data were furnished to the President.

6/ Preliminary.

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

•	
produced	
were	
movements	
watch	
which	
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Sales of products by U.S. establishments in which watch movements were produced,	/ · · / · · · ·
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produc ts	
of	
6Sales	
Table	

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		Products :		Watches	s and watch	h movements	ŝ	
Year :	All products	watches and	Total	al :	U.Spr	produced	Imported	ted
		movements :	Quantity :	Value .	Quantity :	Value	Quantity :	Value
	1,000 dollars	<u>1,000</u> dollars	1,000 units	<u>1,000</u> dollars	1,000 units	1,000 dollars	1,000 units	<u>1,000</u> dollars
1951:	181,829	62,594	নি	<u> </u>	त्वेत	88,862	(JK	2/
1952	247,298	162,829 :	10,695 :	124,469	8,769	. 041,029 . 86,746	1,925 :	37,723
1955:	264,495	159,556 : 119,296 :	9,4444 : 10,502 :	112,256	7,532 : 8,600 :	66,066 76,1125	. 1,911 : . 1,903 :	38,873 35,831
								800 70 ·
1956:	212 , 682	70,300 :	- 10,401	110,002 SOZ	0,00,00 7,00,00	710 910 100 1		20, 770 27 172
1958	167.018	61.297	11.355	105,721	9.379	72,984	. 1,976 :	32,737
1959:	195,696	62,278	13,514 :	133,118	: 10,776	86,260	: 2,738 :	47,158
1960:	201,162	: 74,476	: 12,534 :	: 126,686	9,730	: 84,470	: 2,804 :	42,216
: Lyo L	200.310	88.600	12.004	017.111	9.516	73.471	2.458	38,239
1962:	222,637	85,861	14,742	: 136,776	IL, SLI	90,667	: 3,231 :	46,109
1963:	236,464	: 92,714	: 15,019 :	: 143,750	12,185	98,296	2,834	45,454
••			·	- 1		1	+ I	
1/ Does not include	sales by ountries	U.S. produc or the U.S.	ers (or their Virgin Islands	subsidi when	y of w watch	watches con movements	con gururende mot	movemenus prepared for
the U.S.	stablishment	in which w	ch movemen	Mere	produced.		•	
2/ Not available	•							

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

Table 7Watch	movements:	Estimated	apparent U.S.	consumption,
by	supplier,	origin, and	type, 1963	

	Jewele				leve			otal	
Supplier and origin	move				ment		move	emen	
**	Number		rcent : total:			rcent : total:	Number		rcent total
	$\frac{1,000}{\text{units}}$:	:	$\frac{1,000}{\text{units}}$:	:	$\frac{1,000}{\text{units}}$:	
U.S. producers:		:	= /	- /	1	• • /		:	1.e
Domestic production	<u> </u>	:	$\frac{1}{1}$:		1 1		12,135 3,774		47 15
Shipments from the U.S. Virgin Islands 2/:		:	: 1/ :	1/	:	1/ :	326	: :	1
Total:	1/	:	1/ :	1/	:	1/ :	16,235	:	63
Other importers:		:	:		:	:		:	
Imports 3/	<u>1</u> /	:	1/ :	<u>1</u> /	:	<u>1</u> / :	8,971	:	34
Virgin Islands <u>3</u> /		:	<u>1</u> / :	<u>1</u> /	:	<u>1</u> / :	731	:	3
Total <u>3</u> /:	<u>1/</u>	:	$\underline{1/}$:	<u>1/</u>	:	<u>1/</u> :	9,702	:	37
Total consumption 3/	<u>1</u> /	:	<u>1</u> / :	<u>1</u> /	:	1/	25 , 937	:	100
1/ Data are confidential	muhlia			morro ol	+ 2 - 2		dana af	•	

1/ Data are confidential; publication would reveal the operations of individual concerns. Data were furnished to the President.

2/ Includes movements imported by the Helbros Watch Co. and Vantage Products, Inc.

3/ Preliminary.

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

Note.--For description of the method used to calculate consumption, see the note to table 3.

	(In thousands	s of units)		
Date	Jeweled-	Pin-1	Lever moveme	ents :	All
	movements	Pocket	Wrist	Total	movements
: Dec. 31 :	•	•	:	:	
1952: 1953:	361 : 562 :	761 : 426 :	275 : 300 :		
1954: 1955:	477 : 425 :	· 288 : 59 :	229 : 319 :		994
: 1956: 1957:	331 :	: 437 : 120 :	: 332 : 235 :	355 :	
1958: 1959: 1960:	2/ :	244 : <u>2/</u> : <u>2</u> /:	336 : <u>2/</u> : <u>2</u> /:	580 : <u>2/</u> : 2/ :	705 1,035 768
: 1961: 1962: 1963:	2/ : 2/ : 2/ :		$\frac{2}{2}$	2/ : 2/ : 2/ :	589 1,006 1,378

Table 8.--Watch movements: Inventories of units produced in the United States, as of Dec. 31, 1952-63 1/

1/ Data do not include inventories of watch movements assembled in the U.S. Virgin Islands. Data were furnished to the President.

U.S. Virgin Islands. Data were furnished to the President. 2/ Data are confidential; publication would reveal the operations of individual concerns.

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

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	eriod Containing Containing Containing Containing Total	eriodContaining : 2 or more:Containing : 2 or moreContaining : 2 or moreContaining Containing <th></th> <th>: foreign</th> <th>Imports from ign countries</th> <th>s 2/</th> <th>Shipments U.S. Virgin</th> <th>from n Isla</th> <th>the : nds :</th> <th>AII</th> <th>imports</th> <th></th>		: foreign	Imports from ign countries	s 2/	Shipments U.S. Virgin	from n Isla	the : nds :	AII	imports	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 or more: 0-1 : Total :2 or more: 0-1 : Total :2 or more: 0-1 : Total : <td>2 or more: 0-1 : Total :2 or more: 0-1 : Total :2 or more: 0-1 : Total : jewels : jewels : jewels : jewels : jewels : jewels : jewel : Total : : : : : jewels : jewels<!--</td--><td>Period</td><td>Contain</td><td>ing</td><td></td><td>Containing</td><td></td><td></td><td>Containi</td><td> Su</td><td>r - E</td></td>	2 or more: 0-1 : Total :2 or more: 0-1 : Total :2 or more: 0-1 : Total : jewels : jewels : jewels : jewels : jewels : jewels : jewel : Total : : : : : jewels : jewels </td <td>Period</td> <td>Contain</td> <td>ing</td> <td></td> <td>Containing</td> <td></td> <td></td> <td>Containi</td> <td> Su</td> <td>r - E</td>	Period	Contain	ing		Containing			Containi	 Su	r - E
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3: 5,581: 4,806: 10,387: - - 5,581: 4,806: 10,387: - 10,386: 10,387: 10,386: 10,387: 10,386: 10,386: 10,386: 10,387: 11,396: 10,012: 13,133: 14,133: 13,133: 14,133: 13,133: 13,133: 13,133: 13,133: 13,133: 12,700: 12,715: 13,798: 172: 11: 173: 7,100: 5,770: 12,716: 14, 5,803: 5,716: 14,903: 5,716: 14,13: 12,314: 13,13: 14,20: 8,803: 6,404: 12,13: 14,13: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,314: 12,321: 8,823: 4,9093: 13,4200: 5,5716: 12,419: 12,321: 12,321: 12,321: 12,321: 8,833: 4,9093: 15,531: 15,531: 15,531: 15,531: 15,531: 15,531: 15,531: 15,531: 15,531: 15,531: 15,531: 15,531: 15,531:		: jewels :	0-1 : jewel :	Total	or more: jewels :	0-1 : ewel :	Total	or jew	0-1 : jewel :	TOTAL
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,068 6,404 13,472 5 - 5 7,073 6,404 13, 6,846 6,312 13,472 12 2 144 6,888 6,314 13, 6,928 5,699 12,627 172 1 173 7,100 5,700 12, 8,083 5,715 13,798 419 1 420 8,502 5,716 14, 3/ 7,838 4,907 12,745 1,057 8,893 4,909 13, 3/ 7,298 5,573 12,871 2,361 8 2,369 9,659 5,581 15, 15 1 2,361 8 2,369 9,659 5,581 15, 16 1 2 1 2,369 9,659 5,581 15, 15 1 2,369 12,369 12,369 15,9659 5,581 15,581 15,581 16 1 2,369 1 2,369 9,659 5,581 15,581 15,581 15,581	7.008 6,404 13,472 5 - 5 7,073 6,404 13, 0 6,846 6,312 13,472 42 2 44 6,888 6,314 13, 0 6,928 5,699 12,627 172 1 173 7,100 5,700 12, 0 8,083 5,715 13,798 419 1 420 8,502 5,716 14, 0 3/ 7,838 4,907 12,745 1,055 2 1,057 8,893 4,909 13, 1 12/208 5,573 12,871 2,361 15, 15, 15, 1 2/208 5,573 12,871 2,361 15, 15, 15, 1 2/208 5,573 12,871 2,361 15, 15, 15, 1 2/208 5,369 9,659 5,571 15, 15, 15, 2 1 2,369 9,567 8,893 4,909 15, 15, 2 1	άť8	• • • ۲ ۲	, 806 .	: 10,387		 I		ر د د 187	: 1.806 :	10.387
$\begin{array}{cccccccccccccccccccccccccccccccccccc$: 6,846: 6,312: 13,158: 42: 2: 44: 6,888: 6,314: 13, : 6,928: 5,699: 12,627: 172: 1: 173: 7,100: 5,700: 12, : 8,083: 5,715: 13,798: 419: 1: 420: 8,502: 5,716: 14, 3/: 7,838: 4,907: 12,745: 1,055: 2: 1,057: 8,893: 4,909: 13, 3/: 7,298: 5,573: 12,871: 2,361: 15, 15, 15, 1 1 8: 2,369: 9,659: 5,581: 15, 1 1 8: 2,369: 9,659: 5,581: 15, 1 1 8: 2: 369: 9,659: 5,581: 15, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1	D: 6,846 : 6,312 : 13,158 : 42 : 2 : 44 : 6,888 : 6,314 : 13, 6,928 : 5,699 : 12,627 : 172 : 1 : 173 : 7,100 : 5,700 : 12, 2 8,083 : 5,715 : 13,798 : 419 : 1 : 420 : 8,502 : 5,716 : 14, 3 3/ 7,838 : 4,907 : 12,745 : 1,055 : 2 : 1,057 : 8,893 : 4,909 : 13, 4 $\overline{3}/$ 7,298 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15,	959	7.068	6.404 :	13.472 :	 УЛ	· 1	י יי זא	7,073	6,404 :	13,477
$\begin{array}{cccccccccccccccccccccccccccccccccccc$: 6,928 : 5,699 : 12,627 : 172 : 1 : 173 : 7,100 : 5,700 : 12, : 8,083 : 5,715 : 13,798 : 419 : 1 : 420 : 8,502 : 5,716 : 14, 3/: 7,838 : 4,907 : 12,745 : 1,055 : 2 : 1,057 : 8,893 : 4,909 : 13, <u>3/</u> : 7,838 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15,	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	960	: 6,846 :	6,312 :	13,158 :	1,2 :	•• ~	: 117	6,888 :	6,314 :	13,202
$\frac{1}{3}/\frac{1}{2}/\frac{1}{2}$: 8,083 : 5,715 : 13,798 : 419 : 1 : 420 : 8,502 : 5,716 : 14, 3/: 7,838 : 4,907 : 12,745 : 1,055 : 2 : 1,057 : 8,893 : 4,909 : 13, <u>3/:</u> 7,298 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15, : : : : : : : : : : : : : : : : : : :	2: 8,083 : 5,715 : 13,798 : 419 : 1 : 420 : 8,502 : 5,716 : 14, 3 3/: 7,838 : 4,907 : 12,745 : 1,055 : 2 : 1,057 : 8,893 : 4,909 : 13, 4 3/: 7,298 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15, : : : : : : : : : : : : : : : : : : :	961136	: 6,928 :	5,699 :	12,627 :	: 172 :	 Н	173 :	7,100:	5,700 :	12,800
3/: 7,838 : 4,907 : 12,745 : 1,055 : 2 : 1,057 : 8,893 : 4,909 : 13, $\overline{3}/$: 7,298 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15, : : : : : : : : : : : : : : : : : : :	3/: 7,838 : 4,907 : 12,745 : 1,055 : 2 : 1,057 : 8,893 : 4,909 : 13, 3/: 7,298 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15, : : : : : : : : : : : : : : : : : : :	<pre>3 3/: 7,838 : 4,907 : 12,745 : 1,055 : 2 : 1,057 : 8,893 : 4,909 : 13, 4 3/: 7,298 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15,</pre>	962	: 8,083 :	5,715 :	13,798 :	· : 614 :	 H	1,20 :	S	5,716 :	14,218
<u>3</u> /: 7,298 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15, : : : : : : : : : : : : : : : : : : :	3/: 7,298 : 5,573 : 12,871 : 2,361 : 15, :	<pre>4 3/: 7,298 : 5,573 : 12,871 : 2,361 : 8 : 2,369 : 9,659 : 5,581 : 15,</pre>	963 3/	: 7,838 :	4,907 :	12,745 :	: 1,055 :	•• ດາ	1,057 :	∞	4,909 :	•
	all of the movements reported as containing 2 or more jewels contain 7 or more	Virtually all of the movements reported as containing 2 or more jewels contain 7 or more are jeweled-lever movements; all of those containing 0-1 jewel are pin-lever movements. Truncts from foreign countries were calculated by subtracting from "imports from foreign"	3/	: 7,298 :	5,573 :	•	: 2,361 :	•• ∞	2,369 :	v	•	•
	all of the movements reported as containing 2 or more jewels contain 7 or more	/ Virtually all of the movements reported as containing 2 or more jewels contain 7 or more are jeweled-lever movements; all of those containing 0-1 jewel are pin-lever movements. / Tumorts from foreign countries were calculated by subtracting from "imports from foreign	I.	••• 3	••	••	••	••	••	••	••	
are jeweled-lever movements; all of those containing O-1 jewel are pin-lever movements. / Imports from foreign countries were calculated by subtracting from "imports from foreign coun ss" the number that were exported with benefit of drawback.	that were exported with benefit of drawback.		3/ Prelimi	nary.						÷		
are jeweled-lever movements; all of those containing 0-1 jewel are pin-lever movements. / Imports from foreign countries were calculated by subtracting from "imports from foreign ss" the number that were exported with benefit of drawback. / Preliminary.	that were exported with benefit of drawback.	3/ Preliminary.	1									

Table 9.--Watch movements: U.S. imports for consumption, including shipments from the U.S. Virgin Islands, 1958-64, $\frac{1}{2}$ /

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

:

Year	Total	1	Switzer- land	:	West Germany	1 1	Japan :	France	1	United : Kingdom :	Other
2				(Quantity	(1	,000 un	its)		-	
1		1		:		8	:	****	1	:	
1952:			11,337		303		- 1	12		·4 •	2/
1953:			12,376	1	884		<u>2</u> / :	11		93 :	. 2
1954		:	9,380	\$	1,062		- :	23		18 :	3 2/
1955:			9,459		1,262		- 1	108		24 \$	2/
1956:			11,856		1,571		2 :	78		2:	_
1957	13,246	1	11,680	1	1,344	2	4 :	157	1	61 :	-
1		1	•	t		:	1		1	1	
1958:			9,970	:	1,168		1:	156	\$	20 :	<u>2</u> /
1959:			12,534	:	1,546	8	9:	433		l :	1
1960:			12,019	1	1,740	1	110 :	409	\$	2 :	4
1961:	13,867	2	11,590	:	1,644	:	354 :	271	:	4 :	2 4
1962:	15,233	1	12,584		1,704	2	504 :	428	1	8 - :	
1963 <u>3</u> /	<u>4</u> / 14,454	:	11,705	:	1,921	1	475 :	328	1	12 :	13
:					Percent	c	of total				
	······	:		:		:	. 1		1	:	
1952	100.0	1	97.2	1	2.6	:	- :	0.1	:	5/ :	5/
1953			92.6		6.6		5/ :	.1		<u>5/</u> : 0.7 :	ź/
1954			89.5		10.1		<u> </u>	.2		.2 :	ई /
1955			87.1		11.6		5/ :	.1		.2 :	2_
1956			87.8		11.6		5/ 1	.6			-
1957			88.2		10.1		5/ : 5/ : 5/ :	1.2			***
		1		1		2	2 ·	,	1		
1958	100.0	1	88.1	1	10.3	1	5/ 1	1.4	2	.2 :	-
1959			86.3		10.6		<u>5/</u> : 5/:	3.0			5/
1960			84.1		12.2					<u> </u>	5/
1961			83.5		11.8		2.5 :			5/	ई/
1962			82.6		11.2		3.3			5/	ई/
1963 <u>3</u> /			81.0		13.3		3.3 :			2/ · ·	5/ 5/ 5/ 0.1
-/~/ 2/		•	00	•	~~~	•		~•2			

Table 10.--Watch movements (including small clock movements): 1/ U.S. imports for consumption, by principal sources, 1952-63

1/ Data include movements measuring less than 1.77 inches in width which entered commercial channels in small clocks, because separate data for watch movements by country of origin are not available for the full years shown. Data do not include shipments from the U.S. Virgin Islands into the U.S. customs territory.

2/ Less than 500 units.
3/ Preliminary.
4/ Does not include 21,785 movements not accounted for by country.

5/ Less than 0.05 percent.

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

: 		Movemen	ts containin	<u>r</u> , <u>2</u> /		A11
Year -	0-1 : jewel :	2-7 : jewels :	8-15 : jewela :		More than : 17 jewels :	movements <u>3</u> /
: :;			Quantity (1	,000 units)		
51:	2,448 :	1,707 :	660 :	6,757		11,576
52:	2,1170 :	1,6hh :	հղզ ։	7,060		
53:	2,752 :	1,845 :	329 :	8,432		
5h:	2,532 :	1,534 :	190 :	6,217 :		
55!	3,866 :	1,250 :	122 :	5,599 :		. ,
; 56:	5,986	1,272 :	57 :	6,177	17	
7:	5,805 :	1,161 :	38 :	6,222	20 :	
58:	5,294 :	1,261 :	ų7 :	1,692		
9:	6,990 :	1,368 :	63 :	6,082		
0:	7,085 :	1,158	51 :	5,971		
:	6,792 :	1,139 :	: 127 :	5,790	18	
2	6,686	1,682 :	279 :	6,553		15,233
63 µ/:	6,147 :	1,952 :	5/ 1	6,313		
· _/	:		:			
-			rcent of tot			
; 51;	: 21.1 :	14.8 :	5.7 :		7/	100.0
52:	21.2 :	14.1 :	4.0 :	60.6	. 0.1	100.0
53:	20.6 :	13.8 :	2.4 :	63.1	1	100.0
54:	24.2 :	14.6 :	1.8 :	59.3	.1	100.0
5:	35.6 :	11.5 :	1.1 :	51.6	.2	100.0
56:	· 44.3 :	9.4 :	.4 :	45.8	.1	100.0
57:	43.8 :	8.8 :	.3 :			
58;	46.8 :	11.1 :	.4 :			
59:	48.2 :	9.4 :	.4 :			
	49.6 :	8.1 :	.4 :			
;	49.0 :	: 8.2 :	: 9	41.8	.1	
52 :	43.9 :	11.1 :	1.8 :			
53 4/:	42.5 :	13.5 :	5/ :			
· -		:				<u>. </u>
· •_			Average fore	ign unit val	Lue	
: 51;	\$1.31 :	\$3.05 :	\$5.45 :	\$6.21	\$54.75	\$4.68
52:	1.39 :	3.20 :	5.87 :	6.67		
53;	1.67 :	3.08 :	5.51 :	6.91		
	1.82 :	2.84 :	5.37 :	7.11		
5	1.70 :	2.71 :	6.90 :	7.01		
; 56:	: 1.57 :	3.25 :	: 7.69 :	6.93	31.32	4.24
57:	1.65 :	3.35 :	10.84 :	6.83		
58:	1.79 :	3.45 :	8.77 :			
59:	1.89 :	3.51 :	8.18 :			
60:	1.83 :	3.62 :	9.68 :	5.85		
:	: 1.77 :	: 3.46 :	: 7.86 :	5.61	: 35.92	3.61
						1.0
61: 62: 63 4/:	1.73 : 1.81 :	3.37 : 3.54 :	6.24 : 5/ :	5.78	27.69	3.80

Table 11.--Watch movements (including small-clock movements): U.S. imports for consumption, by level count, 1951-63 $\underline{1}/$

1/ Data include movements measuring less than 1.77 inches in width that enter commercial channels in small clocks, because data for watch movements by jewel count are not available for the full years shown. Data do not include shipments from the U.S. Virgin Islands into the U.S. customs territory..

2/ All of the movements containing 0-1 jewel are pin-lever movements; virtually all of those 2/ Mil did movements containing of jewels are pinievel movements; virtually all of undse reported as containing 2 or more jewels contain 7 or more jewels and are jeweled-lever movements.
3/ Because of rounding, figures may not add to the totals shown.
1/ Preliminary.
5/ Includes 22,000 watch movements and 12,000 small-clock movements contained in watch cases

6) Includes 22,000 watch movements and 12,000 small-clock movements contained in watch cash for which jewel-count description is not available.
 7/ Less than 0.05 percent.
 8/ Excludes the 22,000 watch movements identified in footnote 6, because no value data are available for them, but includes the 12,000 clock movements referred to therein.

Source: Compiled from official statistics of the U.S. Department of Commerce for 1951-62 and January-August 1963, and estimates by the U.S. Tariff Commission for September-December 1963.

	(In percer	ntages)		
••••••••••••••••••••••••••••••••••••••	Type of r	novement	:	All watch
Year	Jeweled-lever : movements :	Pin-lever movements	:	movements
: 1953: 1954: 1955: 1956: 1957:	2/ : 2/ : 2/ : 2/ : 2/ :	20/20/20/20/20/20/20/20/20/20/20/20/20/2	: : : :	18 21 20 18 19
1958 1959 1960 1961 1962 1963 <u>3</u> /		2121212121	:::::::::::::::::::::::::::::::::::::::	19 20 21 19 23 30

Table 12.--Watch movements: Share of U.S. imports entered by U.S. producers of watch movements, by type of movement, 1953-63 1/

1/ Includes shipments received from the U.S. Virgin Islands and imports entered by the Helbros Watch Co. and the Vantage Watch Co. 2/ Data are confidential; publication would reveal the opera-

tions of individual concerns. Data were furnished to the President. $\underline{3}$ / Preliminary.

Source: Computed from data submitted to the U.S. Tariff Commission by U.S. producers and from official statistics of the U.S. Department of Commerce.

5	Watch	movements	containin	g <u>1</u> /	All
Period	0-1 : jewel :			: More than : 17 jewels	watch movements 2/
:		Quant	ity (1,00	O units)	
: 1959: 1960: 1961: 1962: 1963 4/: 1964 <u>4</u> /: :	- : 2 : 1 : 2 : 8 :	<u>3</u> / : <u>3</u> / : <u>1</u> 14 : 38 :	5 38 128 278 657 1,901	: 44 : 140 : 384	: 1,057
:		Valu	e (1,000	dollars)	
1959 1960 1961 1962 1963 <u>4</u> / 1964 <u>4</u> /	: -: 11: 7: 2: 9: 40:	: 1: -: 1: 3: 93: 187:	31 242 779 1,638 3,733 10,988	: 299 : 907 : 2,484	: 1,087 : 2,551 : 6,319

Table 13 .-- Watch movements: Shipments from the U.S. Virgin Islands into the U.S. customs territory, by jewel count, 1959-64

1/ All of the movements containing 0-1 jewel are pin-lever movements; virtually all of those reported as containing 2 or more jewels contain 7 or more jewels and are jeweled-lever movements. Shipments of movements containing 8-16 jewels, if any, have been combined with those containing 17 jewels.

2/ Because of rounding, figures do not add to the totals shown. 3/ Less than 500 units. 4/ Preliminary.

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

1951–63
s were produced,
Were
movements
watch
which
4
establishments
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4Employment 1
Table 1

Tear All plant Tear and movement movement employees: 1951 employees: 1952 employees: 1953 employees: 1954 23,464 1955 23,464 1956 19,828 1956 19,828 1956 14,115 1958 14,115 1958 14,115 1958 14,115 1961 13,744 1952 14,897 1953 14,897 1954 15,306 1952 14,897 1953 15,306 1954 15,306 1955 15,306 1956 15,306 1956 15,006 1956 15,006 1956 15,006 1956 15,006 1956 15,006 1956 15,006 1956 15,006 1956 15,006 1956 15,006 1961 20 </th <th>Iants in which watch indiced Production and related workers producing</th> <th>11 which j Production vorkers Production workers All production pointer of 0,951 10,709 9,951 9,951 10,709 9,951 9,514 10,709 9,514 9,951 10,709 9,951 10,709 9,514 8,010 19,593 1,512 11,15,56 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 10,384 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156</th> <th></th> <th>n which pin-lever ants were produced Froduction and relever workers produced All 10,974 110,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 110,974 110,974 111,974 112,976 113,106 114,106 115,106 115,106 115,106 115,106 115,106 115,106 115,106 116,106</th> <th>xatch Tated a vatch n ts 1/ 0 012 0</th>	Iants in which watch indiced Production and related workers producing	11 which j Production vorkers Production workers All production pointer of 0,951 10,709 9,951 9,951 10,709 9,951 9,514 10,709 9,514 9,951 10,709 9,951 10,709 9,514 8,010 19,593 1,512 11,15,56 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156 10,384 13,156 13,156 13,156 13,156 13,156 13,156 13,156 13,156		n which pin-lever ants were produced Froduction and relever workers produced All 10,974 110,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 10,974 110,974 110,974 111,974 112,976 113,106 114,106 115,106 115,106 115,106 115,106 115,106 115,106 115,106 116,106	xatch Tated a vatch n ts 1/ 0 012 0
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Source: Compiled from data submitted to the U.S. Tariff Commission by U.S. producers.

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Company and item	1959	1960 :	1961	: 1962	: 1963
Bulova Watch Co. 2/		•••••			
Elgin Watch Co. 2/:		•• ••			
General Time Corp. 2/		•• ••			
Hamilton Watch Co. 2/		•••••			
<u>Ingraham Co. 2/</u>					
Precision Time Corp. 2/					
United States Time Corp. 2/					
Total or average: Gompanies, all productsl,000 dollars:	. 252 , 583	270,571 :	274,076	: 302 , 364	322,896
hmen 	205,156	: 206,7142	211,409	: 227,882	237,951
2	89,186 43.5	86,102 41.6	78,380 37.1	92,918 40.8	98,790 41.5
Imported watches and watch movements 1,000 dollars: Ratio to all establishment productspercent:	144,896 21.9	41,677 : 20.2 :	42,548 : 20.1	. 46,708 20.5	: 46,143
: : : : : : : : : : : : : : : : : : :	: the parent concern cs" include only t sale in the U.S.	: parent concern as well as include only those assembl e in the U.S. establishmer	vell as assembl olishmen	in in	: of its consoli- foreign coun- which watch
ation would reveal the	operations		of individual concerns.		Data were

Table 15.--Net sales of 7 concerns operating U.S. establishments in which watch movements were produced, 1959-63 1/

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furnished to the President.

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

,

in which watch movements were I	were produced,	1959-63 1/		1	
Company and item	: 1959	: 1960 :	: 1961	1962 <mark>:</mark>	1963
Bulova Watch Co. <u>2</u> /		•• •• •		•	
<u>Elgin Watch Go. 2/</u>	• • •	• • •	·· •	• • •	
General Time Corp. 2/	• •• •	• •• •		• •• •	
<u>Hamilton Watch Co. 2/</u>	• •• •	• •• •	• •	• •• •	
<u>Ingraham Co. 2/</u>	• •• •	• •• •	• •• •	• •• •	
Precision Time Corp. 2/	• •• •	• •• •	••••		
United States Time Corp. 2/:	• •• •	• •• •	• •• •	• •• •	
Total or average:	• •• •			• •• •	
All products: Net operating profit	19,934 : 9.7 :	11,731 : 5.8 :	16,642 : 7.8 :	20,495 : 9.0 :	23,966
Domestic watches and watch movements: : Net operating profit	8,549 : 9.8 :	5,548 : 6.5 :	4,402 : 5.7 :	: 6,932 : 7.6 :	12,394 12.4
Imported watches and watch movements: Net operating profit	6,824 : 15.4 :	4,380 : 10.6 :	5,136 : 12.2 :	5,704 : 12.3 :	3,654 8.0
1/ Domestic watch movements are watch movements manufactured and assembled in the United States. watch movements are watch movements assembled in whole or in part from other than domestically made also include Virgin Island parts and/or movements assembled in domestic establishments. 2/ Data are confidential; publication would reveal the operations of individual concerns. Data w furnished to the President.	manufactured and asser thole or in part from o assembled in domestic al the operations of i	assembled in th rom other than stic establishm of individual	bled in the United ther than domestica establishments. ndividual concerns.	ed States. Im ically made pa ns. Data were	Imported e parts and were

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

Table 16.--Profit-and-loss experience of 7 producers on the operations of their U.S. establishments

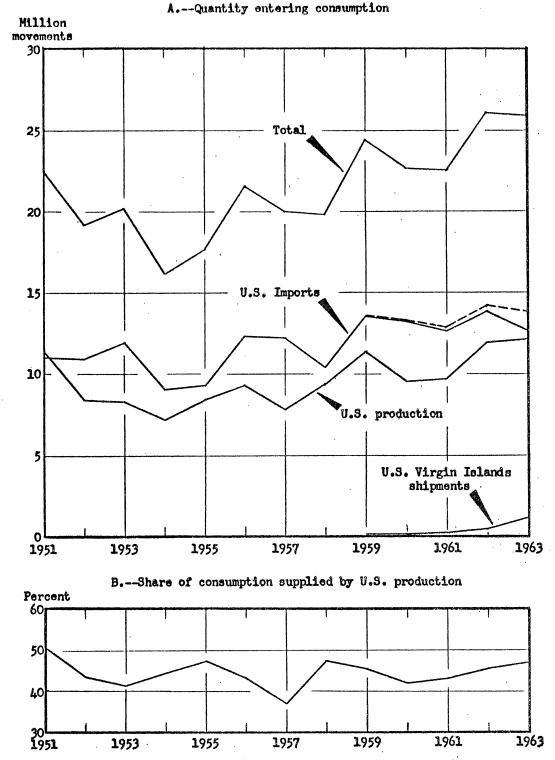


Chart I .-- U.S. consumption of watch movements, by origin, 1951-63

Note: U.S. imports from foreign countries are shown separately and as an aggregate, including shipments from the U.S. Virgin Islands.