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INTERNATIONAL TRADE IN MACHINERY BELTING

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FOREWORD

The United States now supplies nearly one-quarter of the total world exports of machinery belting, its share having increased steadily since 1921. The American industry is considered here in detail under the headings rubber and balata, leather, and textile belting. The Canadian industry, which is practically an adjunct of our own, is also reviewed, and its growth traced from 0.1 per cent in 1920 to 5.7 per cent of the world total in 1930.

The United Kingdom has always been the largest exporter of machinery belting, although its share is decreasing. Whereas 10 years ago the British supplied more than one-half of the belting exports to the world, last year the amount sent abroad was less than one-third. The British are unusually strong in woven-hair and cotton belting, but the marked decrease in the price per pound of British rubber belting has helped their trade in that commodity.

The German belting industry has shown the largest percentage growth of any important nation, rising from 2 to 12 per cent of the world exports. The export trade of France, Belgium, and 10 other of the chief exporting countries, is covered in this paniphlet. International competition in the belting trade as a whole is summarized as well as the world trade by classes of belting.

The export trade of each competing country is treated in a separate section, the trend of the trade from 1920 to 1931 being brought out, and statistics of exports to foreign markets stated in detail so far as possible.

The purpose of this pamphlet is to furnish United States manufacturers and exporters of each class of machinery belting a picture of the total available export business in their product, and the extent to which foreign manufacturers of various nationalities compete in the trade. The rubber division of this bureau, in cooperation with oversea representatives of the Departments of Commerce and State, maintains close touch with markets throughout the world. The division will gladly reply to specific inquiries from American manufacturers and exporters.

FREDERICK M. FEIKER, Director, Bureau of Foreign and Domestic Commerce.

AUGUST, 1932.

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INTERNATIONAL TRADE IN MACHINERY BELTING

INTRODUCTION

Comparable statistical data for exports from producing countries are available for the three following classes of belting: Rubber and balata, leather, and woven hair and textile belting. The material has been collected with a view to comparing the total international trade in belting of these three classes over a period of years, and to show the extent to which different countries participate in supplying this trade; in other words, the share of each important beltingmanufacturing nation in turning the wheels of industry throughout the world.

Manufacturers of each class of belting customarily give careful attention to trade reports regarding their own class of product. Many exporters of rubber belting, however, give but little attention to the export trade in other classes of belting, and the same is true of exporters of leather and cotton belting. At the same time these exporters realize that the volume of their trade with a particular foreign country is affected not only by competition from manufacturers who produce belting of the same class as themselves, but also by the competition from manufacturers of other classes of belting, and that facts concerning competition in the trade in any class of belting are worthy of their careful examination.

The leather belting export executive, who sends current trade statistics of United States exports of leather belting to his British Indian agents, and wants to know why the trade has declined during a particular period, might find his answer in a study of the exports of woven hair and cotton belting from Great Britain to India. In modern practice belting of different materials is used so interchangeably that the exporter must consider not only the competition from foreign producers of his own class of belting but also that from producers of all other classes. That United States exports of rubber belting to a particular market are now negligible does not necessarily mean that a market for rubber belting is nonexistent there. This collection of data on the international belting trade, as a whole, should help United States belting exporters to consider export trade from a belting-industry point of view and not from the viewpoint of the leather, rubber, balata, or cotton belting industry individually.

The economic crisis through which the world is passing has stamped its mark on every trade. One of its outstanding effects has been keener competition among manufacturers, coupled with closer watch on expenditures by consumers. Continuity of business in the belting trade, whether it be leather, rubber, balata, hair, or cotton belting, depends upon the maintenance of a product of reliable quality at a reasonable price. During the after-the-war period there were cases where, owing to special circumstances, certain national groups of manufacturers possessed advantages which enabled them to produce quality products and yet sell at prices which competitors in other countries could not meet without financial loss. From 1920 to 1922 Germany enjoyed such a period, and during 1923 and 1924 France and Belgium profited from a like cause, as is evident by examination of the trend of exports from those countries shown later on in this report.

Although this publication is intended principally for the use of manufacturers and exporters of machinery belting, it may be referred to by others for whom a brief description of the different classes and types of belting is worth while. In speaking of "classes" reference is had to the materials of which the belts are made, as rubber, leather, hair, etc.; by "types" is meant the purpose for which the belt is used, such as for transmission, elevator, or conveyor service, etc.

It is generally recognized, though not always admitted by individual manufacturers, that although each class of belting is manufactured in various grades and offered for varied uses, and although the classes are usually competitive, each class has features rendering it particularly suitable for use under certain conditions, and that the class of belting most economical in the long run for a particular drive, and the grade or quality to be selected within that class, depends upon the use to which the belt is to be put, the continuity of service, and the specific service conditions.

PRINCIPAL CLASSES AND TYPES OF BELTING

For convenience in reference the following description of the principal classes and types of machinery belting is submitted. The description is nontechnical and is not intended in any sense as a guide to purchasers but merely as a source of general information to persons who may find difficulty in locating similar data in published texts.

RUBBER TRANSMISSION BELTING

Rubber belting is made up of plies of frictioned cotton duck vulcanized together. The desired number of plies is secured by folding the frictioned duck or by superimposing strips which have been cut from it. The quality of rubber belting depends on the rubber compound, the cotton duck that gives strength to the belt, and the method of manufacture. High-grade belts contain what is known as 32-ounce duck, this weight applying to a section 36 by 42 inches. All rubber transmission and elevator belting and most conveyor belting is straight ply; that is, of uniform thickness from edge to edge. The plies are held together by the adhesion between the duck and the friction rubber. Transmission belts are made either plain or stitched longitudinally, as desired by the customer. Some transmission belts are rubber covered, with a wearing surface of rubber covering the fabric completely, but the majority are of the friction-surface type, this type having an external appearance very similar to a cotton belt.

Rubber manufacturers recommend rubber-covered transmission belting as especially suitable for use where there are acid fumes, excessive quantities of steam, or extremely moist conditions. Both rubber-covered and friction-surface belts are used for heavy-duty purposes, the friction-surface type being practically always offered for use under high-speed and small-pulley conditions. It is contended by some authorities that the rubber-covered belt would never have been superseded by the friction-surface if the original rubber-covered belts had possessed the merits of those now produced. Naturally the rubber-covered belts are more expensive than the frictionsurface, and probably for this reason the friction-surface belt is more commonly used for transmission where the service conditions are not extraordinary. Special types of rubber transmission belting are manufactured for every conceivable working condition, and rubber competes strongly with all other beltings, especially in all the larger sizes of transmission belting. Where a waterproof belt is required. on account of changeable weather conditions, or where a wide range of temperature is one of the working conditions, the rubber belt is especially suitable. Practically all axle lighting belts used on American railway cars are of rubber or balata, and this use is often cited as an example of the suitability of these classes of belting for use under particularly severe service conditions. The original low cost of rubber belting is an important factor influencing its adoption in many industries. The fact that belt dressings are not needed on rubber belting is a sales argument often used.

Improper lacing destroys many good rubber belts and is the cause of many unjust claims on the manufacturer. To properly join the ends of a rubber belt to make it "endless on the job" requires skill and experience, and this factor hampers the use of rubber belting. Rubber belting is not commonly used for short center drives, particularly where shifters are used and an endless belt is necessary. Oil and grease are injurious to rubber, and where these elements come in frequent contact with the belt ordinary rubber belting is not fully satisfactory. Many a good rubber belt has been ruined by the improper application of oily belt dressing. To a limited degree the perishability of rubber affects the use of rubber belting, especially in tropical countries, or when stocks may be carried for long periods, up to one or two years before being put in service.

RUBBER ELEVATOR BELTING

In the elevator-belting trade, especially where exceptionally severe conditions of service exist, rubber belting is widely used. All rubber elevator belts are straight ply. The friction applied to the cotton duck permeates the meshes of the fabric and prevents moisture from entering through the bolt holes, insuring the duck against rot and prolonging the life of the belt. Rubber elevator belting is chiefly used in mines and quarries to handle wet ore, crushed rock, quartz, etc., and in grain elevators; it is employed also in various other industries too numerous to mention.

RUBBER CONVEYOR BELTING

Rubber conveyor belting is made in both straight-ply and steppeddown-ply construction, the latter having a less number of plies and thicker rubber cover at the center than at the edges. This construction makes the belt stiff longitudinally and flexible laterally, preventing sagging between the idlers while allowing it to conform readily to the shape of the troughing idlers.

The uniform strength and thickness of rubber belting, the possibility of its construction in any desired size and length, its imperviousness to moisture, its resistance to abrasion, and its excellent durability under even most severe working conditions are the principal causes of its popularity in the conveyor as well as in the elevator-belting field. The stepped-down-ply construction type of belt is used, in general, where the abrasion is most severe in the center of the belt, but straightply conveyor belts with thicker rubber cover at the center than at the edges are also used under such conditions. Trade opinion has it that less than 5 per cent of the rubber conveyor belting made in the United States is of the stepped-ply construction, the reduced strength of the belt, resulting from a lack of a full number of plies of duck in the center, and the added difficulty in its manufacture having been factors against its popularity. Straight-ply belts are generally used for handling crushed coal, dirt, sand, and loose cement and always for such light service as handling packages, light refuse, grain, and foodstuffs.

United States rubber manufacturers have developed rubber belts to their present perfection. The growing use of rubber belting in foreign markets in recent years is the result of intensive sales activities of exporting American manufacturers and a constantly broadening circle of appreciative users.

BALATA TRANSMISSION BELTING

Balata belting is constructed from plies of extra heavy cotton duck, impregnated with a solution of balata gum. High-grade balata belting is made of 40-ounce duck, this weight applying to a section 36 by 42 inches. Balata is a gum product of a South American tree, which grows chiefly in Venezuela, Brazil, Peru, and the Guianas. The gum possesses qualities similar in some respects to rubber and in other respects to gutta-percha. All balata belting is of the straightply type. It is not vulcanized in process of construction.

Manufacturers state that it is absolutely waterproof, and further that the balata does not deteriorate, which makes it possible to carry the belting in stock to advantage. Owing to the extraheavy duck used in the construction of high-grade balata belting, it has very little stretch, thereby reducing the necessity of take-up. It is customarily and satisfactorily joined by any of the metal fasteners on the market and can be made endless by means of a step-lap, though this method of joining is not frequently practiced by users in the United States.

The higher price of balata belting over rubber, according to United States manufacturers, is due to the higher cost of crude balata over crude rubber and to the extraheavy duck used in its construction. The use of heavier duck for balata than for rubber belting is not universal in European practice, although standard makes of balata belting are so constructed. In recent years the average price of crude balata per pound has been more than double the average price of crude rubber per pound, and the higher cost of materials and heavier weight of duck is naturally reflected in the price of the finished product.

In the transmission-belting field, balata belting is successfully used where constant belt shifting is not necessary, where the temperature is less than 110° F., and where it does not come in contact with mineral oils. Where the belt is constantly subject to slippage, a high temperature may be developed from friction; this condition of service is, however, almost equally injurious to any belt. Since balata belting is not vulcanized, the gum softens when exposed to excessive heat. Aside from the above cases, balata belting is used satisfactorily for the transmission of power.

BALATA ELEVATING AND CONVEYING BELTING

Manufacturers of balata elevating and conveying belts recommend them for use under the same severe conditions of service as rubber belting, as in sand and gravel plants; brick, clay, and tile plants; cement mills; stone and marble quarries; canneries; rice and sugar mills, flour mills, etc. The extra heavy duck used in construction tends to make a very firm and compact finished article, thus reducing the possibility of bucket bolts pulling out on elevator belts. Balata is tasteless and odorless, which makes the belting suitable for conveying food products. The waterproof qualities of the belting prevent deterioration from puncture and render it suitable for handling wet materials and for outdoor service. High-grade conveyor belting of either balata or rubber will wear down ply upon ply, making it possible to get the maximum of service from the belt. Balata belting lacks the extra abrasive cover of rubber belting which is desirable in the most severe conveying work.

Except in the United States and Canada, balata belting is used as widely as rubber belting throughout the world. The relatively small share of balata belting used in the United States is because only a small number of United States manufacturers are engaged in this industry, as compared to the number of producers of other classes of belting. Several United States rubber companies formerly manufactured balata belting, but practically none of them do so at present. Manufacturers in Great Britain, Germany, Czechoslovakia, and Norway are particularly strong in the export trade in balata belting and formerly produced much more balata than rubber belting. Balata belting has been a strong competitor in export markets for a longer period than rubber belting, having been widely introduced abroad by European manufacturers before American rubber belting firms began seriously to cultivate export business.

LEATHER BELTING

The manufacture of flat leather belting is practically confined to single and double belting. The single is made up of one thickness of hide, while the double consists of two thicknesses cemented together. In the United States for both single and double leather the cemented lap or joint has replaced all other fastenings. In foreign countries, however, there is still wide use of various forms of stitching, rawhide lacing, and other kinds of fastenings for the joints, as well as for the plies of double belting. The use of cement in the joint, however, is gradually increasing in vogue, particularly in Great Britain and western Europe. Round leather belting in small sizes is produced in some volume for use on light machines such as sewing machines.

Vegetable tanning materials, and in the United States prime oak bark and its extracts, are generally used in tanning leather for belting purposes. Mineral tannage or chrome is used to a greater extent than formerly, and especially in combination with oak or other vegetable materials in the production of combination-tanned leather; however, these tannages are still a minor factor in the trade in the United States. Some leather-belting manufacturers still consider such tannages as experimental, although some other companies have been offering chrome-leather belting for years. In some European countries chrome-tanned leather belting is produced to a relatively greater extent than in America.

In the production of good belting leather only selected packer's steer hides are used, and only about one-third of the hide, or that portion extending along the spine and for some distance down the sides, can be utilized for the best grade of leather, other portions of the hide lacking the necessary uniformity in strength and texture. The quality of leather belting depends upon the degree of uniformity of the leather employed as well as the skillfulness of the construction. Largely because of this fact, high-grade leather belting has a higher initial cost than high-grade belting of any other class. Lower-grade leather belting has a wide price range but is, in general, higher in initial cost than other classes except hair belting.

Despite its high price, leather belting possesses certain merits which will always assure it a wide industrial use for transmission purposes. Manufacturers claim that its adaptability to small-pulley, high-speed conditions; the ease with which the ends may be joined together securely; the fact that leather belting can easily be made endless; and its suitability for drives where the belt is frequently shifted are the main reasons for its popularity and widespread industrial use. Furthermore, leather belting may be said to be more simple to install or repair, and it also has a higher salvage value than other classes of belting. That a wide leather belt no longer suitable for use on a large drive may be cut into narrow belts for use on small drives is a sales argument often used. Leather-belting manufacturers claim a relatively high delivery of generated power to the driven pulley and a relatively low power loss from slippage as compared with other classes of belting, especially under small-pulley, high-speed conditions.

Formerly leather belting could not be used under moist conditions, but the perfection of waterproof leather belting during the last 20 years has opened this field to leather. In recent years chrome and combination tanned leather belting with heat and acid resistant qualities has been developed. Ordinary leather belting can not be used under moist atmospheric conditions and is not successfully employed where excessive heat is a condition of service or acid resistant qualities are necessary. Leather was the original material used for belt manufacture.

Leather belting is used chiefly for transmission purposes. It was formerly sometimes employed for conveyor and even elevator service, but its high price has forced it out of this field. The high initial cost of leather belting often makes it economical for the user to install a belt of some other class, and this has been a factor influencing the development of rubber and other classes of belting in America during the last decade. It would be as untrue to say that the highest-priced belt will always render the most economical service as to say that the lowest-priced belt is always cheapest in the long run; the most desirable class of belt, and of quality within that class, depends upon the conditions in each case.

The production of leather belting is more easily entered upon than the manufacture of rubber or balata belting; the manufacturing processes are, in general, less complicated. On this account leather belting is produced in most foreign countries to a much greater extent than other classes, small leather-belting industries being found in countries all over the world. In the United States there are more establishments making leather belting than all other classes combined. The small local industries in foreign countries constitute a very important competitive factor in the aggregate, even though the quality of their products does not compare with American, British, or continental European leather belting of standard makes. Imported leather belting, after paying transportation charges and customs duties, is so much higher in price than local products that foreign consumers frequently find it economical to use inferior local products.

WOVEN COTTON AND STITCHED CANVAS BELLING

Woven cotton and stitched canvas belting are the principal classes of textile belting produced in America. Woven cotton belting is a solid 1-piece fabric made from cotton yarns. The weaving is done under tension, on heavy looms, each strand of cotton being subjected to severe stress during the process. The belt is of uniform thickness and width, with a double selvage. The use of untreated solid woven cotton belting is limited to light transmission and conveyer work under perfectly dry conditions, as moist conditions result in excessive stretch. Woven cotton belting treated with asphalt, linseed oil, paraffin, or other special proofings has been developed for use in any place where a stitched canvas belt is suitable, and treated woven cotton belting has found a growing market in recent years.

Stitched canvas belting is made of several folds or plies of cotton duck stitched together lengthwise, various weights of cotton duck being used, 32 ounces to the square yard being the heaviest. After being stitched the belt is treated with a special proofing compound to increase its durability and help it withstand atmospheric conditions. Stitched canvas transmission belting is used largely in agricultural work of all kinds, especially on threshing machines.

An important share of the United States production of solid woven cotton and stitched canvas belting is used for light conveyor and some elevator services, such as handling parcel-post mail in mail-order houses and post offices, handling packages, foodstuffs, and other indoor services. In this field the low cost of textile belting gives it a strong competitive position; the initial cost of cotton and canvas belting is lower than for any other classes.

WOVEN HAIR BELTING

In the foreign trade in transmission belting a class of woven belting of great importance is the class known as camel's-hair belting, manufactured from hair and cotton yarn. This is a solid woven belting; it is not made in plies. After weaving the belt is always treated with a special heavy oil compound for preserving its life and pliability. The camel's hair used is not the hair of the Arabian camels, but of the camels of central Asia, according to manufacturers, who claim a

INTERNATIONAL TRADE IN MACHINERY BELTING

greater elasticity for the true camel's-hair belting than for any other class. During the early period of service this belt usually requires taking up a few times, but thereafter is claimed to give no further trouble on this account and to be practically unaffected by moisture or by heat up to 300°. It is particularly recommended for use in hot, steamy places and in oil-well work or other places where the belt frequently comes in contact with mineral oils. The belt is not generally recommended for service with step pulleys, shifters, idlers, or as an endless belt. There are many substitute hair beltings, but it is unnecessary to describe them at length.

A wide use of woven hair belting for power transmission is reported in many foreign markets, where it has been introduced chiefly by British and German manufacturers. The original camel's-hair belting was first produced in 1873, and it was first manufactured in the United States in 1890. There are but two manufacturers of hair belt-ing in the United States, and the product has a very minor position in the total United States belting trade. It is manufactured principally in England, Germany, France, Belgium, and Italy and has a wide use throughout Europe, as well as in many tropical countries where its heat and moisture-resisting attributes make it especially suitable. Camel's-hair belting is relatively high priced, as indicated by the British export statistics for recent years, making it a close second to high-grade leather belting in initial cost and much higher than lowgrade leather, as well as balata, rubber, and other classes of belting. Except for a few countries separate export statistics covering this product are not available; in German trade returns the exports are reported in a class which covers hair and cotton belting together.

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THE UNITED STATES BELTING INDUSTRY

A brief statement regarding the United States belting industry, compiled from reports issued by the Bureau of the Census, together with other data from private sources, is worth while to show the size and relative importance of each branch of the industry, and particularly to show the United States belting production on a basis of weight, divided by classes and also divided between transmission and other types of belting. Official statistics are not available on all these points, and the following statements are in part estimates, but they are made from the most accurate information procurable and supported by statistical data as far as possible.

RUBBER AND BALATA BELTING

Rubber-belting manufacture in the United States had its period of early development in the eighties; the Bureau of the Census reported only 2 manufacturers specializing in rubber belting and hose in 1879 as compared with 17 in 1889. The manufacture of rubber belting is usually carried on in factories producing other rubber products, such as mechanical rubber goods or tires. In United States census reports the information on factories with rubber and balata belting as their major product was formerly combined with information on factories whose principal product was rubber hose; in recent census reports even this subdivision has been discontinued; therefore, census figures on the rubber-belting industry alone can not be separated.

Although balata is closely allied with rubber, the balata belting industry is not treated as a part of the rubber industry in census reports, but is treated as a part of the textile belting industry. The number of firms specializing in rubber belting and hose has been reported by the census as between 15 and 19 from 1889 to 1921; the total number of firms which manufacture rubber and balata belting being larger.

A fairly complete but unofficial list shows at least 30 United States firms manufacturing either rubber or balata belting; only 4 of these firms specialize in belting as practically their sole product. Of the remaining firms the greater number produce a general line of such mechanical and molded rubber goods as rubber belting, hose, packings, valves, and mats; 6 specialize in tires and produce belting as an important but minor line; and 2 firms produce all sorts of rubber goods including tires, rubber footwear, mechanical rubber goods, and rubber sundries and specialties. Only 4 of the firms produce balata belting, and perhaps one-fourth of the United States manufacturers of rubber and balata belting also produce solid woven cotton or stitched canvas belting. Of the 30 manufacturers of rubber and balata belting considered above 10 have their factories in New Jersey, 6 in New York, 5 in Ohio, 3 in California, 2 in Massachusetts, 3 in Pennsylvania, and According to the Census Bureau 36 separate estab-1 in Delaware. lishments reported rubber belting in 1923.

The following table shows statistics of the Census Bureau on the production of rubber belting for census years; the quantity, in pounds, INTERNATIONAL TRADE IN MACHINERY BELTING

is available for only 1927 and 1929. A large item under the "other" class consists of automobile fan belts.

Year	Transmission	Conveyor	Other	Total
1914				\$7, 989, 40
1919. 1921. 1923.				22, 436, 24 13, 068, 79 24, 266, 88
925	\$15, 145, 579	\$5, 565, 235	\$2, 467, 255	23, 481, 07
927 929		5.973,031 8.213,067	$3, 372, 903 \\4, 417, 253$	21, 946, 95 25, 776, 44
927	Pounds 23, 172, 883	Pounds 15, 758, 579	Pounds 4, 456, 179	Pounds 43, 387, 64
929		15, 442, 548	8,006,483	45, 024, 54

PRODUCTION OF RUBBER BELTING IN THE UNITED STATES

The report for 1927 shows 19 firms manufacturing rubber transmission belting against 23 in 1925, 18 manufacturing conveyor belting against 17 in 1925, and 9 manufacturing other rubber belting against 8 in 1925; but several firms manufacture all three types, and the aggregate number of manufacturers of rubber belting is not stated. However, the total number appears not to have changed materially from 1925 to 1927.

The reports show New Jersey as the State leading in the production of transmission belting in 1927, with a value of \$9,185,727 against \$6,941,883 for Ohio, and \$7,045,272 for all other States (including California, Illinois, Massachusetts, New York, and Pennsylvania). Ohio led in the production of conveyor belting with \$6,836,126, followed by New Jersey with \$4,936,149, and the total for other States was \$3,986,304. In addition to the States mentioned above, the "other" rubber belting was also produced in Colorado, Georgia, Minnesota, and Washington in 1929.

The exports of rubber belting from the United States in 1923, valued at \$2,032,310, amounted to 8.4 per cent of the total production. In 1929, exports amounted to 5,670,159 pounds, valued at \$3,056,236, representing 12.6 per cent of the quantity produced and 11.9 per cent of the value, indicating slightly lower export prices than domestic prices. The importance of exports increased for this industry during the period in question.

Statistics of the Rubber Manufacturers' Association, on the sales value of rubber belting production reported by members, as presented in the following table, show that the total value of rubber belting sales in 1931 was around 50 per cent of the average for 1927– 1929. Sales of elevator and conveyor belting are grouped in this table, and these sales held up better in 1930 and 1931 than sales of transmission belting. The volume of business has probably been better than indicated by the value statistics, on account of lower prices.

Year	Transmission	Conveyor and elevator	Other	Total
1927	10, 647, 651 8, 038, 146	\$5, 562, 892 5, 708, 951 7, 021, 938 5, 322, 981 3, 326, 824	\$1, 187, 059 811, 599 513, 930 372, 172 653, 129	\$17.762,877 16.858,871 18,183,519 13,733,299 8.850,987

SALES VALUE OF RUBBER BELTING

LEATHER BELTING

Census statistics for 1849 show only 8 establishments engaged primarily in the manufacture of leather belting in the United States; in 1859 the number had increased to 46, and in 1869 to 91, as compared with 169 in 1923. The beginning of this industry in the United States took place much earlier than in the case of the rubber-belting or woven-belting industry, and about three times as many firms produce leather belting as produce other classes of belting. The value of products of the leather-belting industry was nearly twice as great in 1923 as in 1914, and since the average prices of packer's heavy steer hides were between 14 and 17 cents in 1923 and between 19 and 20 cents in 1914 it is likely that the quantity of leather belting produced increased at about the same rate as the value. The following table shows the development of the industry from 1849 to the present time as reported by the Bureau of the Census.

Year	Estab- lishments	Wage earners	Wages	Cost of materials	Value of products
49	8	39	\$15,000	\$112,000	\$161,00
59	46	354	135,000	915,000	1, 482, 00
69		808	454,000	3, 231, 000	4, 558, 00
79	96	1, 227	606,000	5, 020, 000	6, 526, 0
89		1,342	781,000	6, 133, 000	8.634.0
99		1,667	914,000	7, 500, 000	10, 623, 0
04	117	2,092	1, 165, 000	9, 317, 000	14, 220, 0
09	139	3,006	1, 861, 000	15, 623, 000	23, 692, 0
14		2,951	2,070,000	15, 480, 000	23, 036, 0
19		2,765	3, 260, 000	28, 157, 000	40, 481, 0
21		2,268	2, 842, 000	13, 076, 000	19, 168, 0
23	169	3, 167	3, 907, 000	24, 660, 000	37, 724, 0
25	168	2,644	3, 505, 450	18, 868, 230	31, 810, 9
27	173	2,164	2, 925, 416	16, 185, 267	27, 265, 7
29	207	2,602	3, 549, 721	20, 769, 778	35, 631, 6

LEATHER BELTING

The value of products of the industry, as stated in the table, includes other products than leather belting produced by firms allocated to this industry, but does not include a small secondary production of leather belting by firms allocated to other industries, the value being \$681,753 in 1925, \$507,293 in 1927, and \$125,130 in 1929. The value of products produced by the leather belting industry in 1927 and 1929 are reported as follows: In 1927, leather belting, \$21,269,504, belt repairs, \$681,000, leather packing, etc., \$4,139,865, other products, \$1,175,383; in 1929, leather belting, \$25,498,863, belt repairs, \$1,127,295, leather packing, etc., \$3,725,710, other products, \$5,279,814.

The total value of leather belting produced in 1927 was therefore \$21,776,797 and in 1929, \$25,623,993. Only a small part of this was round belting.

The quantity and value of flat belting and the value of other types in 1927 and 1929 were as follows: Flat belting in 1927, 9,739,859 pounds, \$16,811,558; 1929, 13,051,299 pounds, \$23,478,916. Value of other types, 1927, \$4,965,239; 1929, \$2,145,077.

The State with the largest number of leather belting manufacturers in 1929 was New York with 32, followed by Massachusetts and Pennsylvania with 18 each, Ohio with 14, Illinois with 12, California 10, Missouri and New Jersey 9 each, Connecticut 8, Michigan and Tennessee 7 each, Indiana and Washington 6 each, Texas 5, and Wisconsin 4. The remaining 31 plants were scattered in 17 States. The leather belting industry is very widely distributed, and there was a large increase in the number of establishments allocated to the industry in 1929.

Massachusetts led in the value of production of flat leather belting in 1929 with 2,932,657 pounds, followed by New York with 2,241,657, Pennsylvania 1,549,282, Illinois 1,113,556, Ohio 476,089, Michigan 440,313, Indiana 315,800, Missouri 299,641, and California 298,682 pounds, the production of all other States amounting to 3,383,622 pounds.

There are no statistics for production of leather belting available for 1930 or 1931. Statistics of tanners' production of belting leather indicate a very slight decline in 1930 compared to 1929, and a decline of over 20 per cent in 1931 compared to 1930, which may perhaps give an idea of the trend.

PRODUCTION OF LEATHER BELTING BY KIND AND VALUE, BY STATES, 1927

	Aggregate	Total	Total		Other,	Belt
State	value of products	value	Pounds	Value	value	repairs
United States	\$27, 265, 752	1\$21,269,504	9, 739, 859	\$16, 811, 558	\$4, 457, 946	\$651,000
Illinois Massachusetts	$\begin{array}{c} 2, 165, 995\\ 5, 211, 281\\ 906, 330\\ 4, 546, 564\\ 732, 142\\ 3, 647, 869\\ 10, 055, 571 \end{array}$	$\begin{array}{c} 1,880,337\\ 3,995,796\\ 837,954\\ 3,444,678\\ 646,028\\ 2,990,982\\ 7,473,729 \end{array}$	$\begin{array}{r} 967,809\\ 2,025,489\\ 468,365\\ 1,564,225\\ 380,803\\ 1,633,707\\ 2,699,461 \end{array}$	3, 083, 774 601, 295	$\begin{array}{r} 297, 504\\ 455, 739\\ 132, 160\\ 360, 904\\ \cdot & 44, 733\\ 515, 315\\ 2, 651, 591\end{array}$	23, 384 34, 774 36, 931 250, 446 63, 984 25, 678 245, 803

¹ In addition, leather belting to the value of \$507,293 was manufactured as a secondary product by establishments engaged primarily in other lines of manufacture.

Leather belting is usually the principal product of the establishment which produces it. In 1919 about \$4,948,000 worth of leather belting was produced in establishments not classified with the leather belting industry; in 1921 about \$573,000, and in 1923 about \$240,000. As side lines, for the utilization of leather not suitable for belting manufacture, sole leather, leather hydraulic packing, harness leather, and all sorts of leather specialties are produced, and in addition belt dressings are often manufactured. Very few, if any, United States manufacturers of leather belting produce cotton or rubber belting.

The production of firms allocated to the leather-belting industry is not itemized by products, except in the recent reports issued by the Bureau of the Census. It is, therefore, not possible to state the value of leather belting produced over a long series of years. A special compilation, made by courtesy of the Bureau of the Census for 1923, shows that the total value of leather belting production reported for that year was \$30,587,087, whereas the value of the total products of the industry was \$38,087,000. The value of United States leather belting exports in 1923 was \$1,698,622, or 5.6 per cent of the production. In 1929, the total production of leather belting was valued at \$25,623,993, and the value of exports was \$2,038,396, or 7.8 per cent of the production. The domestic consumption may be estimated (production less exports) at about 12,950,000 pounds, valued at \$23,586,000.

The proportion of salaries to wages in the leather belting industry is high as compared with other industries. In 1927, salaries amounted to \$2,018,941 and wages \$2,925,416; in 1929 salaries were \$2,358,594 and wages \$3,549,721. In 1919, salaries amounted to 45.3 per cent of salaries and wages combined; in 1929 the proportion had declined to 39.9 per cent. These proportions, while high, are much lower than in the textile belting industry. Information is not available concerning the proportions in the rubber belting industry.

WOVEN BELTING

It has already been stated that a number of rubber belting manufacturers produce either woven cotton or stitched canvas belting. There are many additional firms which manufacture woven beltings. In United States census reports, belting other than leather and rubber was formerly reported in conjunction with fire hose, the establishments classified in this industry being engaged primarily in the manufacture of cotton and canvas belting, woven camel-hair belting, solid woven waterproof belting, endless belts of seine twine, and cotton and linen fire hose. Balata belting was also included in this classi-The classification prior to the census of 1909 was "belting fication. and hose, linen." The following table shows summary statistics reported for this industry for the census years 1909 to 1929. The statistics for recent years cover only the production of belting in this industry, but do not include the production of belting in textile mills which is included in another classification but nowhere separately reported until 1929.

1914					
1914 31 952 460,000 2,869,000 4,441,00 1919 41 2,479 2,202,000 11,642,000 19,176,00 1921 31 1,119 1,080,003 396,000 6,390,000 1923 13 333 330,736 1,674,041 3,311,52 1925 11 254 264,246 1,595,602 3,111,50 1927 11 343 410,088 14,489,841 3,211,87	Year		Wages		
	1914 1919 1921 1923 1925 1925	 $\begin{array}{c c c c c c c c c c c c c c c c c c c $	460,000 2,202,000 1,108,000 350,736 264,246 410,698	$\begin{array}{c} 2,869,000\\ 11,642,000\\ 3,396,000\\ 1,674,041\\ 1,595,602\\ 1,489,841 \end{array}$	\$5, 491, 000 4, 441, 000 19, 176, 000 6, 390, 000 3, 311, 527 3, 111, 500 3, 211, 875 2, 788, 627

The quantity of belting produced, in pounds, was not reported, but may be roughly estimated on the basis of the average value per pound of cotton belting exports from the United States. The reports do not subdivide the total production by types of belting.

In the report on the cotton small wares industry for 1929, the Census Bureau for the first time reported the production of textile belting by textile mills. This is in addition to the production reported above. The production so reported was valued at \$3,665,679, of which transmission belting was valued at \$1,366,265, conveyor belting at \$872,969, and other cotton belting, not specified as to type, at \$1,426,445. Of the transmission belting produced, New Jersey

125759-32----2

provided \$610,828, New York \$291,477, and other States \$463,960. The number of firms producing belting, and considered in this paragraph, was not reported. The weight of belting produced was not reported, but may be roughly estimated on the basis of the average per pound value of United States exports in 1929. On the basis of the division of types stated, the production of textile belting reported elsewhere in this section may be estimated by types, though perhaps not very accurately.

The total reported United States production of textile belting in 1929 was, therefore, \$6,454,306. Estimated production in weight by types, based on the above, would be 4,211,000 pounds of transmission, valued at \$2,406,000; 2,689,000 pounds of conveyor belting, valued at \$1,537,000; and 4,396,000 pounds not specified, valued at \$2,511,000.

The exports of cotton belting from the United States in 1929 amounted to 424,119 pounds, valued at \$242,368, or about 3.8 per cent of the production. Export trade is apparently not so large a factor in the business of cotton belting manufacturers as for firms producing other classes of belting.

SUMMARY OF PRODUCTION, 1923 AND 1929

The total production of belting of all classes was estimated in 1923 when the census report was originally published. From information given above it is possible to make a similar estimate for 1929.

In 1923, the total production of transmission belting was estimated at 55,500,000 pounds valued at \$50,387,000. Of the total value leather belting constituted 61 per cent, rubber belting 30 per cent, and textile belting 9 per cent. Of the total weight, rubber belting was 50 per cent, leather 32 per cent, and textile 18 per cent.

In 1929, the total production of transmission belting, counting belting not specified as to type to be transmission such as round leather belting, small rubber fan belts for automobiles, etc., is estimated at 52,432,000 pounds, valued at \$48,502,000. Of the total value, leather belting constituted 52.9 per cent, rubber 36.2 per cent, and textile 10.9 per cent. Of the total weight rubber was 56.4 per cent, leather 27.2, and textile 16.4 per cent. Rubber belting appears, therefore, to have gained in the transmission belting field since 1923. The accuracy of this conclusion may, however, be questioned on the ground that some of the rubber belting officially reported as other than transmission or conveyor in the census reports for 1929 should have been classified as elevator belting, and should not be counted as transmission. Confirming this, moreover, the census statistics classify only 31.9 per cent of the value of all rubber belting produced in 1929 as conveyor belting, while reports of the Rubber Manufacturers Association for that year classify 38.6 per cent of the total as conveyor and elevator belting. The indications are, therefore, not conclusive.

The total production of conveyor and elevator belting in 1923 was estimated at about 23,400,000 pounds, valued at \$13,191,000. Of the total, rubber belting constituted 60 per cent of the weight and 67 per cent of the value, the remainder being textile beltings.

The estimated total production of conveyor belting only for 1929 is 18,131,000 pounds, valued at \$9,750,000, of which rubber constituted 85.2 per cent of the weight and 84.2 per cent of the value, with textile belting supplying the remainder.

Of the total weight of all types of belting produced in 1929, rubber belting constituted 63.8 per cent against 54 per cent of the estimated total weight in 1923, while leather belting dropped from 21.8 to 20.2 per cent of the total, and textile belting declined from 24.2 per cent in 1923 to 16 per cent in 1929.

To a considerable degree United States rubber belting owes its important position in export trade to the fact that it is usually produced in connection with other rubber goods which also have a large foreign market. A firm can handle its foreign trade in belting through factory branches much more economically if the product is only one unit among several rather than the major line. A market which might not justify the establishment of a branch office for the sale of belting alone may present an entirely different outlook when a complete line of mechanical rubber goods is to be offered or when belting is handled in connection with tires. Furthermore, the trade channels for rubber hose and packing are closely allied to those for belting, and the contact with industrial users is increased by having a varied line to offer. The relatively greater average production of rubber and balata belting than of leather and of woven belting per establishment is another element of strength. It means that the average rubber-belting manufacturer is larger, has greater resources, and is in a better position to aggressively solicit foreign business than the average producer of leather and woven belting.

The United States market for transmission belting is being affected to some extent by the use of direct motive power. It is now generally admitted that group drives are often more economical than individual electric drives, and that the choice depends on a full consideration of the original cost of installation, the costs of maintenance and operation, and the particular conditions of service. Electric drive seldom eliminates all pulleys and belts; their use as auxiliaries is required to some extent in connection with almost every electric installation.

The electrical developments have at any rate not prevented a marked increase in the consumption of belting as compared to prewar years. This increased use of belting is a natural result of the universal availability of power in small units. Thousands upon thousands of small shops all over the United States, which now use belting in connection with small power units, would have been unable to secure power a score of years ago. While the small belts have little individual value, they constitute in the aggregate an important market for belting.

The market for conveyor and elevator belting in America has been relatively larger than in foreign countries, the high cost of labor causing a growing employment of labor-saving devices. United States manufacturers of these types of belting have blazed the way and are now in position to reap whatever benefit may accrue from a slowly growing foreign recognition of the necessity of installing such devices. The description of the various classes of belting in the introduction will give an idea of the varied uses of conveyor and elevator belting in American industry.

EXPORTS FROM LEADING MANUFACTURING COUNTRIES

UNITED STATES

The pre-war volume of United States export trade in machinery belting can not be stated because separate export statistics for belting were not reported prior to 1920. Leather belting exports in pre-war years were included in the class described as "belting leather," the value of the exports of this class covering both unfinished belts and finished leather belting in the fiscal year ended June 30, 1913, being \$1,105,168 as compared with exports of "belting leather" and "leather belting" valued at \$1,793,700 in 1923, when the two products were separately reported. American exports of belting leather for use in the production of finished belts decreased while annual exports of finished leather belting increased as compared with prewar days, until 1930, when a sharp decline began. Exports of leather belting were grouped with "belting leather" in the official statistics until 1920, when the two classes were separated.

With the outbreak of the World War there was a cessation of belting exports from Germany and a decrease in the exports from Great Britain and France, these three countries leading in the export trade in belting at that time. United States manufacturers naturally secured an important share of the trade thus made available. Development of local belting industries, particularly in the leather belting line, took place in many countries during and following the war period and local production of leather or rubber belting is now a factor of considerable competitive importance in several European as well as other foreign markets, notably Argentina, Brazil, British South Africa, and Canada.

Despite the growth of local production in many markets, and since 1918 the return to serious competition of European manufacturers, the United States is now holding a considerable share of the trade developed during and after the war, more particularly the trade in rubber belting.

The total amount of belting exported from the United States from 1920 through 1931 is shown in the following table:

Year	Quantity	Value	Ycar	Quantity	Value
1920	Pounds 6, 719, 078 3, 178, 535 3, 682, 308 4, 984, 323 5, 061, 622 5, 897, 989	\$8, 944, 567 2, 868, 540 2, 904, 495 3, 890, 647 3, 925, 880 4, 680, 622	1926 1927 1928 1928 1929 1930 1931	Pounds 6, 069, 716 6, 773, 770 6, 615, 889 7, 388, 443 5, 459, 408 3, 951, 719	\$4, 944, 385 4, 880, 011 5, 012, 319 5, 337, 000 3, 785, 105 2, 302, 712

TOTAL AMOUNT OF BELTING EXPORTED FROM UNITED STATES, 1920-1931

The United States ranks second only to the United Kingdom in the belting trade as a whole, and its share of the total world market has remained steady during this 10-year period. In 1920 we supplied 23.7 per cent of world-belting exports. This dropped to 18.1 per cent in 1921, and remained at about that level until 1925 when the United States produced 21.7 per cent of the total. The share increased steadily until 1929, at which time we were sending abroad 24.5 per cent of the world's belting exports. In 1930 the depression here began to show itself and the United States percentage dropped to 22.7 of the total.

The annual volume and value of United States belting exports, by classes, as officially reported from 1920 to 1930 is shown in the following table. The weights are net and the values are invoice values. Statistics are for calendar-year periods.

•	Rubber	belting	Leath er	belting	Cotton belting		
Year	Quantity	Value	Quantity	Value	Quantity	Value	
1920	2, 590, 000 3, 548, 468 3, 572, 255 4, 078, 651 4, 173, 363 5, 010, 592 4, 887, 206	\$3, 532, 277 1, 446, 063 1, 265, 999 2, 032, 310 2, 089, 056 2, 424, 661 2, 656, 699 2, 681, 815 2, 785, 238 3, 056, 236 2, 195, 424 1, 382, 149	Pounds 2, 819, 078 878, 535 1, 042, 308 1, 064, 449 1, 111, 185 1, 346, 332 1, 347, 813 1, 241, 912 1, 250, 586 1, 294, 165 885, 573 885, 573	\$5, 412, 290 1, 422, 477 1, 638, 496 1, 698, 622 1, 668, 287 1, 995, 924 1, 877, 253 1, 941, 684 2, 038, 396 1, 416, 466 823, 707	Pounds (1) (2) (3) (3) (4) (3) (4) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	(2) (1) (3) (3) (3) (4) (3) (4) (3) (3) (4) (3) (4) (3) (4) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	

EXPORTS OF BELTING FROM THE UNITED STATES

¹ Estimates on basis of average values of rubber-belting exports from Canada.
² Cotton belting first officially reported in 1923.

Three classes of belting are shown in United States official export statistics since 1923, the weight in pounds and the value being shown for each class. In previous years cotton-belting exports were included in a general class covering miscellaneous cotton manufactures. The weight of rubber-belting exports was first officially reported in 1922, but both the weight and the value of United States leather-belting exports have been officially reported since 1920.

The table of annual percentages of the total weight of American belting exports supplied by each class from 1923 (the first year available) to 1931, indicates that export trade in rubber belting has held up much better than exports of other classes in recent years.

PERCENTAGE OF TOTAL WEIGHT OF UNITED STATES BELTING EXPORTS SUPPLIED BY EACH CLASS OF BELTING

Year	Rubber	Leather	Cotton	Year	Rubber	Leather	Cotton
1923. 1924. 1925. 1926. 1927.	71. 270. 669. 268. 773. 9	$21. \ 3 \\ 21. \ 9 \\ 22. \ 8 \\ 22. \ 2 \\ 18. \ 4$	7, 5 7, 5 8, 0 9, 1 7, 7	1928. 1929. 1930. 1931.	73. 9 76. 7 78. 7 82. 1	18. 9 17. 5 16. 3 13. 7	7.2 5.8 5.0 4.2

The average value per pound of United States exports of belting is shown in the following table. Note that the tendency has been for the per pound value of rubber belting to decline, and for cotton

belting to increase, while for leather belting the price has been relatively more stable.

Year	Rubber belting	Leather belting	Cotton belting	Year	Rubber belting	Leather belting	Cotton belting
1921 1922 1923 1924 1925 1926	\$0. 63 . 49 . 57 . 58 . 59 . 64	\$1, 62 1, 50 1, 59 1, 50 1, 48 1, 48		1927	\$0. 53 . 57 . 54 . 51 . 43	\$1. 51 1. 55 1. 57 1. 60 1. 42	\$0. 61 . 60 . 57 . 62 . 54

AVERAGE VALUE PER POUND OF UNITED STATES BELTING EXPORTS

RUBBER BELTING

United States exports of rubber belting are widely distributed throughout the world. Following is a table of the volume of exports to the 25 largest markets in 1931 compared to 1922 and 1930. The countries of destination are arranged according to the number of pounds of rubber belting shipped to them in 1931. The rank of the countries as "best customers" for United States rubber belting is indicated for each year.

EXPORTS OF RUBBER BELTING TO PRINCIPAL MARKETS

1922 1930 Country of destination Quantity Rank Quantity Quantity Rank Quantity Rank Quantity United Kingdom	Rank 1 3 5 10 2 11	1931 Quantity Pounds 295, 667 241, 765 211, 809 192, 305 185, 486	
Quantity Rank Quantity United Kingdom	$ \begin{array}{c} 1 \\ 3 \\ 5 \\ 10 \\ 2 \\ 11 \end{array} $	Pounds 295, 667 241, 765 211, 809 192, 305 185, 486	12
United Kingdom 98,882 7 388,513 Union of South Africa	$ \begin{array}{r} 3 \\ 5 \\ 10 \\ 2 \\ 11 \end{array} $	295, 667 241, 765 211, 809 192, 305 185, 486	~
Union of South Africa. 612, 212 1 286, 306 Sweden 51, 013 13 271, 489 Denmark 3, 993 39 158, 219 Mexico 328, 020 3 334, 495 Brazil 128, 945 4 149, 038	$ \begin{array}{r} 3 \\ 5 \\ 10 \\ 2 \\ 11 \end{array} $	241, 765 211, 809 192, 305 185, 486	~
Sweden 51,013 13 271,489 Denmark 3,993 39 158,219 Mexico 328,020 3 334,495 Brazil 128,945 4 149,038		211, 809 192, 305 185, 486	~
Denmark 3,993 39 158,219 Mexico 328,020 3 334,495 Brazil 228,945 4 149,038	$10 \\ 2 \\ 11$	192, 305 185, 486	3
Mexico. 328,020 3 334,495 Brazil. 128,945 4 149,038	2 11	185, 486	
Brazil 128, 945 4 149, 038	11		4
			5
Dilipping Islands 60 488 10 160 600		156, 910	6
1 10,007	9	149, 857	7
British India	8	147, 013	8
Chile	4	143, 627	9
France 125, 295 5 187, 868	7	143, 402	10
Argentina	15	130, 745	11
Belgium 50, 699 14 123, 398	12	121,078	12
Canada	6	119,085	13
Cuba 39, 496 15 120, 100	14	102, 385	14
Italy 730 54 101, 326	15	63,006	15
Mozambique	16	60, 346	16
Peru 17, 351 24 122, 795	13	59,073	17
China	20	53, 946	- 18
Norway	22	46,011	19
Netherlands 33,003 18 38,660	24	44, 184	20
Java and Madura	23	34,672	21
Morocco. 68, 593	18	34, 514	22
Spain	19	29, 329	23
Finland	21	18, 803	24
Japan 38,009 16 25,808	33	13, 329	25

It may be noted that 10 of the 25 countries shown in the table (United Kingdom, Sweden, Denmark, France, Belgium, Italy, Norway, Netherlands, Finland, and Spain) are in Europe; three (Canada, Mexico, and Cuba) are in North America; four (Brazil, Chile, Argentina, and Peru) are in South America; five (the Philippines, India, China, Java and Madura, and Japan) are in Asia; and three (Union of South Africa, Mozambique, and Morocco), are in Africa. Australia and New Zealand, formerly important markets, no longer rank among the first 25. All of the European markets listed, except Finland, export considerable quantities of belting, and each of these countries is given separate treatment as a competitor in the international trade in belting in a later section, as are also Canada, Australia, and Japan. It is a tribute to aggressive American salesmanship that 11 out of our 25 leading markets for rubber belting are strong competitors in the export belting trade, while several of the others also produce belting for their local markets.

The United Kingdom has advanced from seventh place among markets for United States rubber belting in 1922 to leadership in 1930 and 1931. General business development during the period, the increasing number of United States branch factories located there, and a greater appreciation of the quality of United States belting have brought about this change. The Union of South Africa has dropped to second, due to increased local production, and unfavorable tariff legislation. Canada, which was second in 1922, is now thirteenth, the growth of home factories and the tendency toward empire trade being responsible for the loss. Reflecting the relatively prosperous conditions in the Scandinavian markets, and the favor with which United States products are there regarded, Sweden and Denmark have risen from thirteenth and thirty-ninth to third and fourth places, respectively, and Mexico's slower rate of industrial expansion is shown by its change from third to fifth position as a market for United States rubber belting.

In the following tables United States rubber belting exports to all countries are shown for 1924 to 1931. Besides the markets listed in the preceding table, the following countries each took over 10,000 pounds of rubber belting from the United States in 1931: Austria, Greece, Latvia, Poland, Switzerland, Turkey, Honduras, Panama, Newfoundland and Labrador, French Indo-China, and British Malaya.

UNITED STATES	EXPORTS OF RUBBER	BELTING TO FOREIGN	COUNTRIES DURING
	THE CALENDA	r Years 1924-1931	

Country of destination	1921	1925	1926	1927	1928	1929	1930	1931
	Pounds	Pounds		Pounds			Pounds	Pounds
Austria		7, 721	10,635	18, 327		12, 692		10, 686
Azores and Madeira Islands.					111		158	65
Belgium			168, 343	99, 698 i				
Bulgaria Czechoslovakia	`				180		1,436	5, 301
Czechoslovakia	10.007	201		1, 109				
Denmark			34, 034	126, 008				
Estonia	1	14			3,037	1, 763		311
Finland	37,859		38,709		71, 538	70, 232		
France	108,005	117, 522	67,633		116,659			143, 402
Germany			29, 435		88, 571	97, 290	47,753	20, 520
Gibraltar	. 66	1,376 45			0.470			
Greece	. 38	40	553		2,452			
Hungary			3, 743	12,720	8, 017	2, 721	4, 145	
Iceland Irish Free State		310					31	33
Italy	0.071		1,787		148		101 900	ca 000
Latvia	9,211							
			22, 099	28, 043			14, 456	
Malta, Gozo, and Cyprus.			137		38	130	112	54 293
Natharlands	8 451	14, 797	14, 318					
Netherlands	25, 614	38, 680	16, 422	30, 443	42, 220	47.031		44, 184 46, 011
Poland and Danzig	20,014	370	222	20, 584	57, 790	35, 787		20,064
Portugal		469	1. 686	20, 004	1, 342	11, 396		3, 620
Rumania		103	1,000	43	1, 716	4,072		3, 020 1, 985
Soviet Russia in Europe		32, 333	36, 853	4.740	17,902	4, 672		6, 341
Spain		28, 883	24, 488	46, 134	90, 231	105, 988	67.014	29, 329
Sweden		118,901	79, 905	157,721		235, 783	21, 489	29, 329
Switzerland		6, 386	5, 628	4, 377	7, 825	13, 521	17,632	14. 222

QUANTITY

UNITED STATES EXPORTS OF RUBBER BELTING TO FOREIGN COUNTRIES DURING THE CALENDER YEARS 1924-1931-Continued

Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
· · · · · · · · · · · · · · · · · · ·	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Turkey United Kingdom	401, 236	412, 485	270, 609	5, 113	4, 179	9, 100	13,862	2,162
United Kingdom Yugoslavia and Albania	401,230	412, 400	210,009	452, 231	458, 443 125	343, 944	388, 513 1, 965	295, 667 8, 168
Canada.	293, 741	372, 703	359, 533	215, 524	306, 774	1, 340 290, 594	217, 587	119, 085
British Honduras	281	512	348	71	379	339	211	220
Costa Rica	3, 529	2,705	5, 599	5, 169	4,090	4, 187	9, 756	1, 532
Guatemala Honduras Nicaragua	7,178	8,084	13, 416	10,038	7,253	14, 190	7, 476 12, 962	10, 290
Nicaraguta	3,440 8,106	4, 203 7, 716	3, 897 7, 238	19, 288 4, 906	5, 607 9, 262	9,891 11,809	12, 902	25, 311 5, 398
Panama	2,096	5, 987	7,960	6, 860	3, 620	8,166	24, 830	8,651
Salvador	1 725	6, 994	5, 987	4, 204	7, 594	7,878	5,772	6, 894
Mexico	419,866	499, 443	386, 296	424, 569	400,013	460, 099	334, 495	185, 486
Newloundland and Labrador.	10,028		17, 119	15, 247	31, 688	33, 681	21, 423	20,940
Bermudas Barbados	449 298	$58 \\ 200$	53) 79	327 48	108	166 233	$572 \\ 358$	325 70
Jamaica	3, 859	1,052	1, 893	1.694	825	1, 936	2, 340	816
Trinidad and Tobago	981	1, 766	5, 458	4, 445	2, 084	620	2, 517	373
Other British West Indies	4, 334 54, 725	1,086	2, 508	1, 164	3, 417	912	214	250
Cuba	54, 725	110, 673	2,508 77,200	139 994	105, 949	161, 102	120, 100	102,385
Dominican Republic	3, 055	6, 168	6, 589	7, 191	5,010	7,847	7, 295	5, 644
Dominican Republic Netherland West Indies French West Indies	570		600	295 212	1, 010 22	905 209	814 162	813
Haiti Republic of	151 3, 055			3, 424	4, 173	209 3, 531	5,096	$462 \\ 1,885$
Haiti, Republic of Virgin Islands of United States	0,000	2,217	1,031	0, 121		0,001	0,000	1,000
States	37	67	48	346	255	111	31	124
Argentina Bolivia Brazil Chile	129, 284	161, 990	125,823	212, 009	231, 441	222, 123	114, 153	130, 745
Bolivia	44,119	37, 119	46, 915	69, 911	93, 034	114, 487	66, 147	21,083
Brazil.	191, 933	251, 539 315, 732 25, 940	144,969	364, 695	272, 919	450, 359	149,038	156, 910
Colombia	415, 576 24, 379	310, 732 95 040	584, 052 24, 583	618, 303 32, 289	315, 622 32, 483	520, 441 31, 854	274, 736 23, 440	143,627 21,203
Ecuador	5, 980	440	182	322	1, 158	3, 708	1,450	944
Falkland Islands	60							
British Guiana	2, 550	16, 884	4, 702	21, 463	40	12, 262 755	1, 811	1, 794
Surinam	16, 615	7, 575	21, 537	8, 668	1, 213	755	6, 755	853
French Guiana	3, 711		111	4, 964	5 519	4 115	78 141	803
Paraguay	37, 741	770 46, 191	4, 472 75, 501	72, 456	5, 513 101, 270	4, 115 110, 366	122, 795	59,073
Uruguay	11,971	10, 972	19, 423	27, 717	27, 709	24, 091	33, 565	10, 813
Peru Uruguay Venezuela	14, 085	14, 328	40, 054	17,029	17, 508	15, 525	6, 857	11, 325
Aden	20	22	28				113	20
Arabia		00.501		100 540	100.040	155 000	258	207
British India British Malaya Ceylon	65,415	90, 731	101, 112	122,546 30,877	122, 942	155, 903 18, 009	165, 492 25, 051	147,013
Cevion	6, 443 1, 185	3, 649 3, 459	12,287 4,338	1, 526	22, 198 434	2, 494	1, 274	22, 203 11, 854
China	29,888	50, 187	69, 869	36, 738	84, 549	98, 400	53, 033	53, 946
Chosen Java and Madura	29, 888 4, 788	9,663						
Java and Madura	29,885	62, 236	50, 681	72, 918	61, 089	78, 902	43, 412	34,672
Other Netherland India	3,848	6, 451	8,306	3,175	5, 201	9,777	5,132	16,059
French Indo-China	5, 842 2, 026	797	12, 109 2, 217	6, 364 220	3, 520 1, 907	18, 933 5, 464	13,276 2,265	4, 469 1, 394
Hong Kong Iraq Japan	2,020		1, 067	220	467	1, 083	2, 265 2, 513	1,001
Japan	147, 430	73, 080	68,065	136, 176	114,069	26, 824	25, 808	13, 329
Kwantung Palestine	49, 307]	1, 099	17,908	11, 529	9, 162	5, 477		656
Palestine	1 2, 053	¹ 6, 848	426			551	1,182	611
Persia. Philippine Islands	99, 931	105 120, 263	510 153, 638	2,342 162,054	172, 635	1, 355 183, 549	5, 651 160, 604	1, 482 149, 857
Siam.	1, 432	2, 385	7,612	5, 645	7,414	12, 176	9, 648	3,962
Soviet Russia in Asia			3, 242	7, 156	382	161	656	
Syria			45	2,416	1, 546	1, 959	4, 568	2, 841
Other Asia	*******			11, 523	821			845
Australia British Oceania	223, 397 56	262, 625	265, 296	276, 415 170	201, 156 1, 203	191, 499 7, 462	91, 153 377	12, 390 185
French Oceania	3, 345	228	2,518 640	3, 406	1, 203	111		26
French Oceania	31, 537	16, 857	13, 490	9, 619	14, 556	12, 423	12, 888	4, 549
Other Oceania Ethiopia	28	30						
Ethiopia						701		
Belgian Congo	1,715	6, 330		2,866	673	474	17 120	262
Union of South Africa	13,002	32, 370		13, 987	11, 285	11, 477 404, 930	17,120 285,734	7, 855 241, 765
Other British South Africa	345, 731	248, 758	355, 157	394, 621	{ 304, 153 14, 042	1, 444	200, 134	291,703
British East Africa Union of South Africa Other British South Africa Gold Coast	, 				,	38,075	1, 411	980
Nigeria						346		769
British West Africa	387	202		3, 174	3, 081	2 6, 836	(2)	(1)
British West Africa British West Africa Egypt. Algeria and Tunisia.	924		565 8, 301	1,907 13,890	2, 739	4, 890	8,778	3, 569
Madagascar	10, 448	JU, JJJ	5, 301	19, 690		3, 831	6, 599 1, 763	287 112

QUANTITY-Continued

¹ Includes Syria.

Gold Coast and Nigeria shown separately after 1928.

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UNITED STATES EXPORTS OF RUBBER BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1924-1931-Continued

Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
Other French Africa			Pounds 41	Pounds	Pounds 611	Pounds 4, 062		
Italian Africa Liberia Morocco Mozambique	144 22, 551	146 61, 160 77, 478	77, 882 89, 540	1, 260 90, 652	34, 091 174, 511	28, 788 124, 996	68, 593 80, 577	34, 514 60, 346
A+1 (1, 363 125 360	24	691 60 2, 011	5, 736 47 100	417	736
Total	3, 572, 255	4, 078, 651	4, 173, 363	5, 010, 592	4, 887, 206	5, 670, 159	4, 297, 789	3, 191, 417

QUANTITY-Continued

VALUE

Austria		\$4,687	\$6,019	\$8, 504	\$5, 683	\$5, 9 81	\$8, 551	\$4,019
Azores and Madeira Islands		131			70		89	30
Belgium	\$18,663	54, 214	87, 799	51, 259	61, 321	52, 919	50,850	46, 552
Bulgaria					172	757	870	2, 522
Czechoslovakia		196	697	575	75	4, 363	3, 956	2, 266
Denmark	14, 717	18,001	23, 594	69, 028	80, 159	79, 492	75, 443	72, 222
Estonia		25			1, 554	909		165
Finland.	25, 615	30, 604	28, 486	36, 282	38, 297	36, 052	25, 651	8,017
France.	44, 246	58, 505	46, 815	47,755	65, 228	109, 411	85, 402	56, 842
Germany		4, 128	20, 269	30, 238	45, 347	38, 219	24, 976	12, 203
Gibraltar	76	884			2			
Greece	48	45	+22	2,660	1,467	6, 295	14,613	14,726
Hungary			2, 617	6, 414	4, 081	1, 320	1, 933	159
Iceland		224					22	12
Irish Free State		2 600	42	11 007	72			07 600
Italy Latvia	3, 574	3,880		11,925	13, 269	37,669	50,050	27,602
Lithuania	10, 690	8, 076	14,083 439	15, 850	13, 349	11, 613 102	8, 266	4, 448 35
Lithuania Malta, Gozo, and Cyprus			409 52			102		145
Netherlands	6 000	0.055		0 650	34 27, 942	07 747	18 490	
Norway.	6,808 13,837	9, 055 21, 406	8,915 10,716	9, 650 16, 254	19,066	27, 747 21, 490	18, 420 18, 395	16, 694 17, 983
Poland and Danzig	15,057	21,400	10, 710	10, 204	26, 124		10, 393	8,483
Portugal.	52	382	611	10,408	450	16, 604 4, 095	1, 240	2,063
Rumania	48	362	22	42	1, 044	3, 111	1, 989	889
Soviet Russia in Europe	100	22.230	26, 203	3, 187	9, 309	10, 367	1, 969	3, 302
Spain			15, 609	18, 365	43, 332	42, 644	29,909	11, 403
Sweden.	31,659	73, 936	50,486	78, 588	88,035	113, 311	121,087	76,097
Switzerland	3, 498	4, 133	4, 150		5, 298	6, 823	8, 671	5,842
Turkey.	0,100	1,100	1,100	2,172	2, 644	5,022	5, 113	1, 173
United Kingdom	230, 114	263, 850	197, 182	266, 450	338, 110	188, 505	193, 392	128, 367
Yugoslavia and Albania	200, 111	200,000	101, 102	200, 100	44	652	1, 173	3, 117
Canada	163, 199	212, 330	222, 758	116, 297	156, 795	204, 054	135, 488	82, 720
British Honduras.	314	411	192	77	386	392	195	221
Costa Rica	2,447	1,841	5, 789	4,058	3, 136	2, 928	1,471	997
Guatemala	4,677	6, 651	9,712	5,452	4, 144	12,644	4,649	5, 331
Honduras.	3, 226	4,022	4, 165	10,988	4,828	7,651	7,804	10, 500
Nicaragua	6,152	6,922	7,818	4, .29	7, 540	9, 281	4, 169	3, 169
Panama	1,654	3, 392	5, 341	4,037	2, 351	4,676	10,052	4, 102
Salvador	1,085	4, 783	5,054	2,625	4,880	5, 113	3, 677	3, 385
Mexico Newfoundland and Labrador.	247,615	299, 155	265,068	229,474	238, 613	277,000	194, 111	99, 191
Newfoundland and Labrador.	6, 236	8, 889	15,831	10,827	22, 485	24,046	13, 341	12,628
Bermudas	271	59	60	262	128	198	368	161
Barbados	177	215	108	20		61	291	39
Jamaica	2, 803	815	1, 448	1,010	433	948	1, 191	282
Trinidad and Tobago	629	851	4, 387	2, 950	1,068	323	1, 618	209
Other British West Indies	4, 250	841	2,806	937	2,420	483	103	198
Cuba	33, 222	66, 137	52, 701	75, 390	59, 465	79, 139	57,809	38, 476
Dominican Republic	2, 743	5, 311	5, 537	5, 941	3, 960	5, 766	5, 129	3, 765
Netherland West Indies	467	25	422	109	786	555	484	376
French West Indies	130	106	220	156	22	233	99	328
Haiti, Republic of	2, 327	1,673	1, 304	2, 329	3, 076	2, 832	3, 583	1, 236
Virgin Islands of United	12	- 4	53	104	000	7.0	10	-0
States	$15 \\ 85, 207$	74 111, 103	89, 839	100 779	269 132, 473	105 260	16 59, 004	79 58, 526
Bolivia	30, 442	25, 665	36, 083	129, 778 44, 317	58, 391	$125,360 \\ 69,007$	39,765	12,470
Brazil	106, 850	169, 895	106, 686	203, 646	167, 554	242, 955	81, 595	63, 112
Chile	250, 912	185, 523	308, 100	302, 661	182, 135	242, 935 286, 015	81, 595 149, 675	53, 997
Colombia	15,913	19, 298	20,220	20, 327	25, 053	200, 013	149,073	12, 544
Ecuador	3, 537	419	153	240	825	2, 166	805	487
Falkland Islands	105		200	-10	040	2, 100	000	1.51
British Guiana		9,096	3,620	10, 541	59	6, 754	1, 102	730
Surinam		4, 292	13, 843	5, 457	868	654	3, 953	589
French Guiana		-, -02	71			100	36	
Paraguay	1, 781	668	3, 098	2, 892	3, 660	2, 591	88	512
Peru		31,455			61, 968	67,458	71. 667i	29,430
			,		,			

UNITED STATES EXPORTS OF RUBBER BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1924–1931--Continued

Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
Uruguay	\$9, 966	\$9, 115	\$17,693	\$21, 634	\$27, 449	\$17, 569	\$19, 160	\$6, 81
Venezuela		10, 554	30, 523	11, 588	11,862	9,012	5,278	5, 85
Aden	22	24	27		,	0,000	76	
Arabia							161	92
British India	42, 267	66, 218	74, 225	79, 312	78, 115	86, 183		65, 116
British Malaya	3, 355	2, 089			13, 134	10,405		8, 55
Ceylon	1, 125	1, 736		888	277	1,627	654	4,079
China	19,059	30, 139	37, 397	17, 503	44, 527	45, 223		
Chosen		4, 767	37, 397	17,000	44, 047	40, 220	22,000	42, 410
ava and Madura	22,209	45, 575	38, 385	41, 794	32,669	45, 376	22,352	15,06
Other Netherland India								
French Indo-China	2,745	4, 705		1,715	2,799	5, 532		5, 68
			9,967	4,279 206	2, 259	12, 540		2,46
Hong Kong		604	1,881	200	1, 157	2, 935		46
iraq			637		289	845		
apan		38, 081	35, 637	54, 573	49, 577	12,823	15, 265	7, 15
Kwantung	18, 688	448	9, 510	3, 315	3, 071	2, 128		240
Palestine		1 2, 193	240			346	775	25
Persia		62	185	1, 793	!	683	2, 995	61'
Philippine Islands	63, 933		99, 502	94, 400	99, 327	110, 257	89,413	75, 27
Siam	1,020	1,822	6, 380	3, 967	4,887	5, 849	4,621	1, 96
Soviet Russia in Asia	1		1,983	3, 578	236	87	678	
Svria			49	983	879	1,358	1,044	1, 17
Other Asia				5, 929	469			503
Australia	113.40	111,936	145.705	126,023	107, 550	109.481	44.083	7.40
British Oceania	61	,	1, 194	163	447	3, 494		
French Oceania	1,760	151	348	1, 529	14	63	_0.	18
New Zealand	19,619		7,842	7, 760	8, 314	8,452	6,975	
Other Oceania	27	24		.,	0,010	0, 102	0,010	2,00
Ethiopia		21				398		
Belgian Congo		4, 481		1, 185	346	278	265	10
British East Africa	11, 117	18, 452		7,455	6, 533	6, 376		4.05
Union of South Africa	N		· · ·			166 504	115,035	
Other British South Africa	2 198, 408	136, 129	204,350	178, 909	$\left\{\begin{array}{c}139,368\\9,268\end{array}\right\}$	166, 504		04,30
					6,875	602		39
Gold Coast						18, 966		
Nigeria						317		25
British West Africa					1, 730	2 3, 723	(2)	(²)
Egypt	698				2, 107	3, 588		
Algeria and Tunisia		14, 810		7, 542		1, 769		30
Madagascar							795	70
Other French Africa			11		150	1, 630		1, 21
Italian Africa							31	3
Liberia		122	23	49	127	66		
Morocco	144				16, 484	12,010	32, 150	11,07
Mozambique		50, 450				56, 759		
Other Portuguese Africa		345			249	2,275		
Canary Islands			86		41	31		
Other Spanish Africa			231	10	983	51		
source optimistic related and and								
Total	2, 089, 056	2, 424, 661	2, 656, 699	2, 681, 815	2, 785, 238	3, 056, 236	2, 195, 424	1, 382, 14

VALUE-Continued

¹ Includes Syria. ² Gold Coast and Nigeria shown separately after 1928.

The United States share of the total world export of rubber belting remained steady from 1920 to 1925, and has declined slightly in recent years. In 1920 we supplied 37.1 per cent of the world trade in this commodity, in 1925, 37.4 per cent, and in 1930, 34.6 per cent.

LEATHER BELTING

The United States export trade in leather belting is now far less than one-third as large in quantity as the trade in rubber belting, but it is about two-thirds as great in value. The trade is heavy with India and China, and fairly so with the United Kingdom, Mexico, Canada, and the Philippines. Many Latin American countries are good customers, but apart from England and Germany Europe is poorly represented. The accompanying table shows the number of pounds of leather belting exported to the 20 most important markets in 1922, 1930, and 1931. The countries are arranged in the order of their importance as customers in 1931.

Constant of the standard	1922		. 1930)	1931		
Country of destination	Quantity	Rank	Quantity	Rank	Quantity	Rank	
	Pounds		Pounds		Pounds		
British India	142,081	2	192, 142	1	188, 764	1	
China	219, 897	1	165, 879	2	113, 249	1	
United Kingdom	74, 160	6	49,673	5	38, 138	6	
Mexico	100,062	5	80,990	3	33, 383	4	
Canada	100, 714	4	57,932	4	26,868	1	
Philippine Islands	23, 272	10	35.063	7	22, 218	6	
Union of South Africa		12^{-1}	33, 445	8	18, 930		
Colombia	19, 414	11	12, 889	12	14,402	8	
Argentina	29,908	8	17,868	11	13,087	(
Cuba	128, 101	3	38, 526	6	10, 351	1(
Chile	12, 465	15	30, 026	9	9, 979	11	
British East Africa	المستقدم ومسالموه		2, 793	29	6,675	12	
Peru	15, 285	13	10,861	15	6, 515	13	
Dominican Republic	11,657	16	4,748	23	5,826	14	
Germany		42	6,754	18	4, 891	12	
Japan.	41,631	7 :	6,377	20	4,812	16	
Guatemala	6, 959	27	2,312	31	3, 719	17	
Panama		38	2,846	27	3, 547	18	
Costa Rica		29	3, 240	25	3, 129	19	
Salvador.	4, 256	32	5, 202	21	2,728	20	

LEADING FOREIGN MARKETS FOR UNITED STATES LEATHER BELTING

It will be noted that shipments to British India, the Union of South Africa, Germany, British East Africa, and Panama have increased since 1922. All of the other important markets have decreased in volume during this period. Local manufacture of leather belting, aided by tariffs, plus the increased competition from other large manufacturing countries, have brought about this change.

In the tables following, United States leather belting exports to foreign countries are shown in detail for 1924 to 1931. The relative unimportance of the trade with Europe is apparent.

UNITED STATES EXPORTS OF LEATHER BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1924-1931

QUANTITY

Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
Austria	Pounds	Pounds	Pounds 95	Pounds 234	Pounds 2, 442		Pounds	Pounds 390
Azores and Madeira Islands	200.		58		10	12		
Belgium			1,711	148				131
Bulgaria		1,000	-,		-, -00	100		101
Czechoslovakia				288				
Denmark	15	506	61'		48	76		1, 261
Finland.	690	32				30		-,
France	937	6, 848,	3,408	1,855	1,059	1,845		
Germany		20, 123		17,653		16, 607		
Greece.	837	1,936		1,235	126	133	528	
Hungary	60							
Irish Free State		506						
Italy	4,877	15,602	3, 418	11, 430	34.684	25.420	9.473	457
Latvia	230	261						
Lithuania				606				
Malta, Gozo, and Cyprus						57		
Netherlands	908	432	55	605	971			15
Norway	882	114	1, 244	365	1,027			
Portugal	20	2,999	2, 217	903		896	436	
Rumania		254			172			382
Soviet Russia in Europe		2,075	5, 969	177	1, 421	938		
Spain.	1,795	8, 797	1,074	562	321	484		
Sweden	2,386	1,285	2,144	1, 396	2,950	1,622		
Switzerland		129	4, 263	1, 293.	1, 320	1,052		526
Turkey								507
United Kingdom		74, 179	73, 246	80, 244	81, 929	66, 920	49,673	38, 138
Canada	92, 361	149, 564	116, 804	118, 487	177, 190			26, 868

UNITED STATES EXPORTS OF LEATHER BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1924–1931—Continued

	1				·			
Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
British Honduras	351	717	774	146		221	343	1 00 /100
Costa Rica	8, 102	5, 543	9,425	6, 733	7.207	8,494	3.240	3.12
Guatemala	6, 917	10, 477	10,042	12,714	7, 207 7, 491	7,049	2, 312	3, 71
Honduras	1 006	2,372	2, 574	12, 714 2, 171	1,825	7, 049 3, 510	2, 312 1, 926	1,70
Nicaragua Panama Salvador Mexico	2, 509	10, 477 2, 372 4, 722	6, 014	3,419	6.079	3,898	2,999	1,76
Panama	5, 673	4, 533	5, 204 7, 932	5, 375	5, 020	3,450	2, 846	3.54
Salvador	6, 385	8, 311	7,932	6,752	5,688	8, 106 101, 315	5, 202 80, 990	2,72
Miguelon and Ct. Diama Ia	115, 475	137, 225	155,009	116, 336	111, 427	101, 315	80, 990	33, 38
Miquelon and St. Pierre Is- lands		10				10	1	
Newfoundland and Labrador .		10 2, 831		5, 119	3, 429	40 4,686	2 801	2, 33
Bermudas	4, 555 245	2, 831	6, 542 409	23	78	4,080	3, 801 144	2, 33
Barbados	1, 521	540		766	930	530		12
Jamaica	1 796	1, 338	617	934		332		1, 99
Trinidad and Tobago	1, 318		3, 684	2, 166		2, 297	409	7 67
Trinidad and Tobago Other British West Indies	828	1, 268	1, 437	418	953	491	3, 699	12
Cuba	149,654	149, 391	108, 779	104,853	81, 263	56, 221	38, 526	10,35
Dominican Republic	13, 471	16, 707	16,345	10,240	12,300	10, 156	4,748	5, 82
Dominican Republic. Netherland West Indies	511	176	805	910	1,665	1, 634	1, 208	48
French West Indies				·		104		
Hatti Republic of	1, 500	1, 639	1, 144	3, 918	3, 093	688		960
virgin Islands of United States	131	1,991	731	213	860	1, 207	58	12 02
Virgin Islands of United States Argentina Bolivia	30, 999	42, 166	34, 820	46,759	42,078	39, 162	17, 868	13, 08
Bolivia	6,017	331	4,870	296	7,544	10, 134	863	66
Chile	20, 288		29,803	31, 174 38, 176	18, 835 47, 847	27,686	12, 375	2,898
Colombia.	40, 119	39, 537	46, 610	38,170	41,041	106,851	30,026	9,979
Ecuador	15,849	39,991	33, 263	44, 066 1, 224	44, 819	30, 793	12,889	14, 402
British Guiana	4, 723 3, 255	2, 094 3, 202	3, 305 2, 588	1, 224	4,659 1,855	5,288	4,358 971	3, 014 570
British Guiana Surinam	3, 200	413	2, 360	982	1,048	1, 171 338	444	32
French Guiana		16	1, 805	502	1,040	330	111	0
Paraguay	221	334	364	676	844	30	14	5
Paraguay Peru	25, 178		18, 924	22, 340	26, 764	14, 783		6, 51
Uruguay	2,407	1, 183	1, 553	1.803	3, 991	3, 354	2, 911	330
Uruguay. Venezuela British India.	2, 407 26, 770	23, 553	35, 453	37, 456 219, 541 266	25, 367	30, 730	24,041	13, 66, 188, 76
British India	110, 812	160, 776	208, 503	219, 541	165, 300 203	217, 840	192, 142	188, 76
British Malaya	138		107	266	203	142	192, 142 798	26
Ceylon		26	431					1.
Ceylon China	143, 236	178, 792	204, 877	110, 618	124,802	176,083	168, 879	113, 249
Chosen Java and Madura	56							
Java and Madura	6, 956	25, 374	36, 482	18, 285	37, 313	23, 920	12, 448	94
Other Netherland India	498	859	41	1,066	\$07	732	3, 372	2, 20,
Hong Kong. Iraq	1, 552	1, 843	4, 349	2, 220	1, 015	271	403	1, 296
Inau.	17.000	11 707	10 100		6, 099	8 7, 626	····	
Japan. Kwantung	17,853	11,787 389	19, 109	11,614	6, 224	7,020	6, 377 1, 950	4, 812
Palastina	4, 465 1 60	1 133	3, 288 21	4, 778	0, 224	3, 751	286	4.47
Palestine Philippine Islands	37, 236	38, 790	33, 966	47, 830	23, 185	24, 803	35, 063	22, 218
Siam	831	18	19	1, 228	20, 100	493	00,000	
Soviet Russia in Asia		10	15	35	675	100		
Syria				50	857	295		
Other Asia					47			
Australia	11, 744	11, 745	15, 731	18, 682	9,150	16, 577	6, 703	77
British Oceania French Oceania		·	148	200	339	14		187
French Oceania	67	51	300	40	40	508	307	
New Zealand	14, 454	18, 888	14, 426	7, 917	14, 274	6, 699	6, 986	2, 23-
Other Oceania	8	28						
Belgian Congo		148						
British East Africa	420	4, 023	1, 036	2, 450		2, 986	2, 793	6, 673
Union of South Africa	28, 952	27, 094	21,270	35, 654) 27,973	34.644	33, 445	18, 930
Other British South Africa Gold Coast),	,	,	,) 2, 587	,,		
Nigorio			j				40	1, 259
Nigeria British West Africa Egypt	170	48	165		3, 274	(2)	(2)	(2)
Egynt	10, 895		5, 781	11, 782	8, 514	6, 615	(²) 3, 711	1, 346
Algeria and Tunisia	10, 895	10,009	0, 701	11, 102	0,014	0, 010	5, 111	1,040
Algeria and Tunisia Other French Africa	100				;			
Liberia	162	537	90	87	18		······	(
Morocco	101		50	376	10	••••••		
Morocco. Mozambique	719	2, 152	2,967	32	2,050	250	594	
Other Portuguese Africa		_, _0_	2, 001	15	_,		24	
Canary Islands								37
Other Spanish Africa								
			-					
-		1, 346, 332					885, 573	

QUANTITY-Continued

¹ Includes Syria.

² Gold Coast and Nigeria shown separately after 1928.

UNITED STATES EXPORTS OF LEATHER BELTING TO FOREIGN COUNTBIES DURING THE CALENDAR YEARS 1924-1931—Continued

Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
Austria			\$94	\$491				\$45
Azores and Madeira Islands	\$200		66		12	\$35		
Belgium	430	\$8, 571	2, 116	191	1, 350	251	\$146	113
Belgium Bulgaria Czechoslovakia	1,879	········	•••••	275				• • • • • • • •
Denmark	14	848	95	275	35	137	1 161	1 669
Finland	1, 140	85	95			137	1, 161 78	1, 668
France	1, 858	11, 121	3, 742	2 724	2,047	3, 232	5, 610	2, 13
iermanv .	4 176	22, 077	8, 944	2, 724 20, 609	29,809	19,832	11, 543	6, 08
Treece	1.253	2, 531	101	1, 786	239	239	1, 264	17
Hungary	27							
rish Free State		718						
taly	8, 986	26,872	6, 691	15, 302	43, 386	32, 416	9, 313	86
Latvia	118	360	!				!	
Latvia Lithuania Malta, Gozo, and Cyprus				1, 161		72		• • • • • • • • •
Malta, Gozo, and Cyprus	3, 116	696	162	841	1, 424			1
Vorway	895	187	1.604		1, 209	487	1, 885 1, 174	1,
Portugal	64	4, 204	3, 022	1,678	1,200	1,412	398	
Rumania		385		-, 010	654	1,500	1,366	1,02
Maita, Gozo, and Cyprus Netherlands Norway Rumania Soviet Russia in Europe Spain Swaden Witzerland. Turkay	25, 278	3, 027	10, 407	280	2, 760	1, 780	4, 813	_, ~
Spain	2, 436	11,824	1,372	1,074	410	546	460	22
Sweden	2, 930	1,660	2, 502	2,254	3, 956	2, 129	2,156	1, 15
Switzerland		320	3, 531	2,462	2, 724	1, 894	755	69
Furkey United Kingdom								60
United Kingdom	138,965	102, 126	119, 838	128,614	127, 557 20 5, 7 00	118, 663 197, 381	90, 264	61, 450
Canada	93, 907 617	138,982 1,288	119,849	129, 896 207	205, 700	197, 381	72, 246	34, 849
British Honduras	13 650	10,708	1, 114 17, 444	10, 005	531 13, 019	15, 859	623 6, 718	120 4, 612
Costa Rica. Juatemala Honduras. Nicaragua. Panama. Surador	10, 689	13, 175	14, 129	18,087	12, 302	12, 300	3, 161	6, 34
Honduras	3, 545	4, 463	5, 605	4, 901	4, 444	6, 095	4, 110	2, 279
Nicaragua.	4, 085	7, 291	10, 118	6, 382	12, 253	8, 236	5, 592	2, 279 3, 385
Panama	6,910	5,903	7, 190	6.859	7,803	4,635	4, 388	4, 862
		10, 893	9, 874	10, 352	7, 993	14, 556 169, 727	8, 810	4, 413
Mexico	172, 205	219, 695	225, 634	171, 162	7, 993 185, 778	169, 727	145, 830	53, 789
Mexico Miquelon and St. Pierre Is- land	i	12				51		
Newfoundland and Labrador	7, 551	5,103	8, 329	7,972	5, 979	9,460	6, 750	3, 063
Bermudas	365	546	1,014	51	189	572	424	389
Barhados	2 768	945	914	1,076	1, 162	786	1,097	143
amaica	1, 290	2, 156	956	1, 592	815	575	287	1, 341
amaica. Frinidad and Tobago Other British West Indies	2,100	3,879 1,705	4,600	3, 184 741	2,856	3, 546	756	1,07
Cuba	885 253, 011	263, 676	1, 747 176, 712	171, 689;	1, 198	969 99, 542	8, 819 72, 686	191
Dominican Pepublic	21,477	203, 070	26, 588	17, 529	143, 246 21, 297	20, 465	9, 059	15, 66 12, 24
Dominican Republic	1, 399	325	1, 579	1,677	3, 901	20, 400	2, 239	640
French West Indies	1,000		-, 010	.,	0, 001	172	-, -00	
Haiti, Republic of Virgin Islands of United States	2, 489	2,619	2, 154	7,044	6, 235	1, 050	4, 163	1, 897
Virgin Islands of United		-,	.,			-,		-,
States	291	3, 850	1, 402	380.	1,881	2, 435	108	25
Argentina.	42, 394	68,928	51, 560	71, 822	78, 912	61, 202	31, 920	20,024
Bolivia	10, 555	415	8, 942	436	9, 945	8, 596	1, 174	1, 631
Brazil	29, 380	53, 103	44, 124	47,869	33, 409	46, 403	21, 980	5, 271
Chile	40,832	44, 189	57, 113	51, 954	62, 086	139, 591	46, 486	17, 412
Colombia. Ecuador British Guiana	28,068	68, 738	50,761	70,615	79,040	51,277	23,073	21,839
British Aniona	11, 863 5, 599	3, 544 5, 039	4,017 3,023	2, 092 3, 033	7, 603 3, 893	10, 824 2, 230	8, 650 1, 962:	5,656 1,018
Surinam	0, 099	524	2,922	1,000	1,848	706	927	674
Franch Quiana		22.	2, 520	1,000	1,010		521	013
Paraguay	401	601	566	1,007	1, 483	57	34	94
Peru	34, 410	25, 807	29, 218	33, 837	46, 769	28, 759	20, 447	11, 196
Uruguay	2, 301	1, 984	2,845	3, 158	6, 664 43, 755	5, 229	4, 113	697
/enezuela	39, 526	1, 984 35, 780 230, 282	55, 898	64, 546	43, 755	5, 229 56, 274	41, 059	21, 054
Paraguay Paraguay Paray Vruguay Venezuela British India British India	164, 813	230, 282	309, 507	333, 019	258, 860	352,688	284, 446	254, 722
British Malaya Ceylon	240	6, 774	90	257	466	277	1, 558	374
Devion		39	637	100 000	107 010	074 000	045 700	26
China.	205, 671 50	264, 173	312, 949	162, 862	187, 910	274, 633	245, 728	133, 648
Chosen ava and Madura Other Netherland India	12 501	41 000	55 000	20 400	65 040	40 010	04 007	1 981
ther Netherland India	13, 501 1, 133	41, 926 1, 183	55, 280 60	30, 488 1, 620	65, 948 1, 171	49,819	24, 227	1,351
Tong Kong	2, 272	3, 104	6, 908	1, 620 3, 688	2,087	2, 249 713	6, 279 728	3, 901 2, 539
raq	4, 414	0,104	0, 908	4,000	4,001	13	128	4, 039
apan	33, 896	18, 402	31, 949	17, 730	12, 333	15, 439	9, 850	9, 397

VALUE

UNITED STATES EXPORTS OF LEATHER BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1924-1931--Continued

Country of destination	1924		1 92 5	1	1926	1927		1928	1929		193	0	1931
Palestine	1 \$	37	1 \$8	 37	\$38	\$	10				1	547	
Philippine Islands		09.	66, 64		60, 401			\$49, 751	\$50, 7	39	- 58,	724	\$39, 393
Siam	1, 8-	45	2	27	28	2, 1	54		1, 2	49			
Soviet Russia in Asia		i					40	514					
Syria								1, 543]	20			
Other Asia							!	99					
Australia	18, 34	44	17, 79	8	21,698	29.7	'99	13, 889			- 8,	699	893
British Oceania	1			-	219		60			371.			12
French Oceania.	10	03	ŧ	50	499	e l	52	26	·	58		356	
New Zealand	31, 23	31	29,88	36	22, 826	13, 0	62	22, 365	10.8	23	11.	240	3, 62
Other Oceania				38'.	,	1	. 1	,	İ				,
Belgian Congo	1		67	ī5.			1						
British East Africa	49	95	5, 88	`s:	1,084	3, 1	77	2,859	4.3	09	4.	118	8, 58
Union of South Africa	5						- 1	f 48, 899				946	27, 75,
Other British South Africa	57, 39	99 <u>-</u>	49, 53	88	37,223	63, 0	47	5,908		· -	,		
Gold Coast	ľ			÷.		i i		(0,000				31	389
Nigeria										10			
British West Africa	15	<u>69</u> :	4	15	264			4,905	(2)	1	(2)		(2)
Egypt	17.2		22,65		8, 161					28		582	1, 51
Algeria and Tunisia		68			0, 101	, 10,0		12, 011	,.	- N			., •
Other French Africa													1
Liberia	3	35	17	3	169	1	95	10					
Morocco					100		79						
Mozambique		กัง	4, 43	1	7,008		85			40		855	
Other Portuguese Africa			ч, то		4,000		24		; `	10		38	
Canary Islands					50							30	3
Canaly Islands													3
Total	1 668 2	871	992 8	31	905 974	1 877 9	53	1,941,684	2 038 3	106 1	416	466	823 70
10004	1,000,40	0 (1 ,	374, 00		. 000, 024	1 × 1 × 1 × 1 ×	~~~	1, 511, 004	4, 000, c	an'i	, 110,	700	040,10

VALUE-Continued

1 Includes Syria.

² Gold Coast and Nigeria shown separately after 1928.

In 1920 the United States supplied 33.5 per cent of the world trade in leather belting. By 1925 this had fallen to 17.3 per cent, and in 1930 it represented only 14.3 per cent of the world total.

COTTON BELTING

The United States export trade in cotton belting is not large when compared with the exports of woven beltings from the United Kingdom and Germany, but our share of the world trade is growing. In 1923, the first year for which complete figures are available, the United States sent abroad 4.4 per cent of the world's cotton belting exports. By 1930 this had increased to 5.1 per cent, although the actual volume had shrunk considerably. Canada is by far our largest customer for this commodity, taking 68,421 out of a total of 179,038 pounds exported in 1931. The Argentine, which in 1923 was our second largest market, has dropped from 49,156 pounds in 1923 to 6,973 in 1931. The table following shows 10 leading markets for exports of cotton belting from the United States, arranged in order of their importance in 1931.

	192	3	1930	!	1931		
Country of destination	Quantity	Rank	Quantity	Rank	Quantity	Rank	
Canada		1	Pounds 119, 738 24, 113	1	Pounds 68, 421 15, 208	1	
Mexico Honduras	28,602	44	18, 316 3, 891	4 11	12, 543 9, 064	34	
Philippine Islands Argentina United Kingdom	49, 156		1,638 14,708 5,553	17 5 7	7,783 6,973 6,681	5 6 7	
France Italy Norway	5,111 248	10 35 21	20, 142 1, 428 3, 335	3 19 13	6, 642 6, 519 5, 440	8 9 10	

TEN LEADING FOREIGN MARKETS FOR UNITED STATES COTTON BELTING

In the following tables the detailed cotton belting exports to all countries are shown in quantity and value in dollars from 1924 to 1931.

UNITED STATES EXPORTS OF COTTON BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1924-1931

Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
Austria		Pounds	Pounds	Pounds	Pounds	Pounds		Pounds
Belgium		7, 571	130	193	109	415	25 487	35
Denmark		961	103		1. 283	2, 508	1.957	1, 584
Finland		689	1,404	943	531	1, 153	3, 501	1,001
			44, 206		7,829			0 010
France		21,865		27, 581		9, 418	20, 142	6, 642
Germany		10, 411	11, 992	39, 915	42, 227	29, 216	24, 113	15, 208
Greece				445				
Iceland	1, 562	360	348	790	1, 340	769	438	
Irish Free State			\		50	519	217	
Italy	40	7, 395	698	668	2, 487	4, 279	1,428	6, 519
Latyia		(- -	899	96				
Netherlands		1,053	206	147	341	1,664	22	886
Norway	2. 254	1,745	5,794	1.192	2,841	2,162	3, 335	5, 440
Poland and Danzig				4, 530				-,
Portugal		1		15		10		
Rumania		74		1				
Soviet Russia in Europe.	297	440	605	499	569	667		80
Spain.		607	1.257	241	452	2, 554	531	00
Sweden		241	666	2, 531	1.011		977	2 640
Switzerland		241	000	122		1,160		3, 642
United Wingdom	10 404	1.12.004	10 004		139	275	154	194
United Kingdom.	13, 404	13,654	10, 284	39, 310	9,638	13, 354	5, 553	6, 681
Canada	165, 621	201, 049	268, 239	141, 612	252, 231	218, 714	119, 738	68, 421
British Honduras		170	370	68	174	168	261	1,049
Costa Rica	130	250	559	1, 446	1,084	353	76	42
Guatemala	695	2, 815	3, 800	2, 736	3, 237	992	1,037	21
Honduras		759	1 589	257	2, 628	560	3,891	9,064
Nicaragua	396	327	265	369	1,152	433	275	267
Panama	7,094	1,332	446	819	22	2, 190	1,049	1,031
Salvador	551	942		540	5	2,452	1, 597	
Mexico	47.282	45,669	38,057	29,698	28, 228	29,493	18, 316	12, 543
Newfoundland and Labrador	198	108		95	40	419	460	110
Bermudas		90	154	214	1	112	261	
Barbados	110	110		194			201	114
Jamáica.		60		435	398	114	300	101
Trinidad and Tobago	1.098	348	1,000	1.846	1.637	169	1,098	124
Other British West Indies.	137	4. 537	809	836	537	3,458	224	69
Cuba	17, 286	24, 500	23, 268	39, 905	8, 526	8, 261	3, 603	3, 328
Dominican Republic	918	736	1, 339					
Netherland West Indies	510	100	1,009	1, 188	525	483	251	497
Totali Bonublia of	89	·	000		531		20	169
Haiti, Republic of	89		282	111	202	92	612	
Argentina.	54, 501	36, 424	31, 242	64, 879	33, 641	13,934	14,708	6, 973
Bolivia		1	3, 713	1		l	1, 190	264
Brazil		8,345	11, 523	5, 465	4, 213	7,869	4, 263	2, 141
Chile		28, 846	5, 275	26, 213	10, 667	5,880	4, 206	1,985
Colombia		4, 318	2, 547	3,736	9,796	6,130	2,456	858
Ecuador		432	331	126	471	611	312	143
British Guiana		372	78	85	183	1	1	1

QUANTITY

UNITED STATES EXPORTS OF COTTON BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1924-1931-Continued

Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
Surinam Paraguay			Pounds 457	Pounds 1,702 673	Pounds 767 435	Pounds 400 649	Pounds 610 543	Pounds 620
Peru.		7.355	15, 326	8.387	2, 536	2, 980	1, 225	2, 050
Uruguay		1,300	1, 338	0,001	3, 412	1, 119	3, 453	2,050
Venezuela		2,456	7,713	2,062	1, 829	917	1.441	81
British India		4, 397	3, 308	853	677	12,808		01
British Malaya		1,411	2,773	000	011	12,000	516	
Ceylon		1, 11	2,110	300				
China		6,432	11, 525	12.861	16,690	13, 640	9 646	5, 244
Java and Madura		2,008	4, 347	2,503	930	271		0,244
Other Netherland India		2,000	7, 571	4,000	530	27	10	
Hong Kong		215			425	86	567	
Japan	9 971	2, 321	2 157	2,047		55	415	
Kwantung		2, 521	3,101		1.466			240
Palestine					1.400			
Persia.						110		
Philippine Islands	11 016	0 773	5 251	6 \$15	4.827	5.042	1,638	7, 783
Siam	11, 510	0,110	0.001		2, 425	982	682	1,100
Soviet Russia in Asia				2,010	, 4, 920	202	0.052	
Soviet Aussia in Asia			015	397	310			
Syria Australia	0 262	1 071	11 206	19, 133		7,102	2,623	1. 596
British Oceania	5,202	4,074	11,000	10,100	106	7,102	2,023	1, 090
French Oceania			·	986	100			!
New Zealand	450	1 140	2 505	3, 094	905	268	1 -05	124
Belgian Congo			3, 505		53	41		
British East Africa.		j	72	;	j .			
Union of South Africa.	h				(= = = = =	4 149		574
Other British South Africa.		1,412	5, 546	6,929	1 4 22	4,140		014
Gold coast					10 10			40
Nigeria								
British West Africa.		20						2,892
Egypt	· -	1 30		100	10	282		
Other French Africa				100				110
Liberia								110
Morogoo	00					·	9,002	
Morocco. Mozambique	1:0			199		169	2,006	23
Mozamoique	190			182	·	182	4, 623	23
Total	2"8 180	172 004	519 510	591 966	179.007	121 110	276 046	170.029
1 0(a1		±79,000	040, 040	021,200	110,097	4-24, 119	270,040	119,038

QUANTITY-Continued

VALUE	
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Austria							\$30	
Belgium	\$2, 151	\$9,612	\$125	\$130	\$61	\$651	402	\$12
Denmark		372	44	348	457	1,467	791	492
Finland.	357	475	583	466	499	811	1, 317	
France		17,996	41.099	19,703	9,026	6,272	12,944	3,615
Germany		9,707	11,264	53, 318	32,965	21,809	18, 249	11,047
Greece				131				
Iceland	432	245	275	503	1, 525	434	278	
Irish Free State				•	32	321	177	
Italy	40	3, 274	772	513	2,432	2, 538	1,781	4, 596
Latvia.			591	40				
Netherlands	1,031	782	296	83	301	890	128	1,416
Norway	1, 338	1,258	3,079	534	1,694	1,060	1,606	3, 346
Poland and Danzig.				1,962				
Portugal				19		21		
Rumania		43	}					
Soviet Russia in Europe	226	249	255	189	276	460		409
Spain		347	578	43	222	1, 371	460	
Sweden	744	455	518	2, 122	2, 144	2,151] 1,313	2,058
Switzerland				120	125	240	133	195
United Kingdom	8,970	8,090	6,011	16, 379	6, 970	9, 322	4, 763	4, 391
Canada	52, 152	91, 258	110, 059	73, 827		110, 783	72, 344	34, 123
British Honduras		136	330	69	147	83	338	506
Costa Rica		100	304	1,071	652	339	208	27
Guatemala		1, 449	2,003	1, 261	1, 522	799	488	41
Honduras		583	416	241	1, 332	495	1, 974	3,278
Nicaragua		235	148	187	712	189	98	59
Panama.	3, 580	552	164	483	32	1, 187	942	1,096
Salvador		471		255	19	991	773	
Mexico	26, 523	27, 445	20, 871	17, 141	22, 920	19,966	9, 225	4,806
Newfoundland and Labrador		88		57	23	289	324	175
Bermudas		21	58	123		40	121	
Barbados	43	53	'	222				131

¹ Includes Syria.

INTERNATIONAL TRADE IN MACHINERY BELTING

UNITED STATES EXPORTS OF COTTON BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1924–1931—Continued

						_		
Country of destination	1924	1925	1926	1927	1928	1929	1930	1931
Jamaica	\$89	\$59		\$204	\$303	\$49	\$341	\$84
Trinidad and Tobago	436	159	\$708	1,062	880	161	951	56
Other British West Indies		1, 225	350	596	602	1, 898	200	62
Cuba	10, 545	13, 176	13, 819	23, 466	6, 897	6, 494	2, 932	1,978
Dominican Republic	473	446	773	815	445	504	105	385
Netherland Indi	63			64	. 293		. 19	99
Haiti, Republic of		00 052	141		341	68	238	
Bolivia	29, 105	22, 253	15,782	29, 727	18, 976	8,758	9,808 690	4,533
Brazil	4, 895	6, 519	7,955	3, 263	2,762	5,500	3,880	1. 251
Chile		16. 541	4.049	10, 817	5, 681	4.070	2, 331	1, 058
Colombia		2,443	1, 269	2,074	5,978	3,030	1, 358	395
Ecuador		417		86	293	316	253	178
British Guiana		324	60	59	140	010	200	110
Surinam			483	1, 148	416	1,753	378	367
Paraguay.			100	1, 160	787	1,093	920	001
Peru		4, 322	8,763	4.681	1,602	1, 356	782	1.255
Uruguay		-,	696		2, 303	584	2, 477	172
Venezuela		1.718	4. 437	1.460	1.189	1.173	1,109	85
British India	1, 299	2,429	1, 543	389	355	4, 442	880	
British Malaya		588	2,073					
Ceylon				174				
China	1,922	2,793	5,528	5,927	8,032	6,823	3.347	1,716
Java and Madura	112	1.334		1,504	760	153		
Other Netherland India						45		
Hong Kong					. 252	54	251	
Japan	874	1, 330	1, 510	783		143	318	429
Kwantung					. 675			
Palestine				·				
Persia			12-227			240		
Philippine Islands	4,150	5, 694	2, 775	3,908	3,671	2,786	741	3, 158
Siam				5, 250	1, 429	537	358	
Soviet Russia in Asia		. 2						
Syria	F 670	0.007	. 198	353	112			
Australia	0, 01Z	2, 237	6, 719	23, 594	1,804	3, 108	1, 044	666
British Oceania French Oceania				1, 132	200			
New Zealand			0 204		638	182	2,915	169
Belgian Congo			2, 304	4, 092	26	20	2,915	109
British East Africa			62		20	20	1	
Union of South Africa	h	1	-	· · · · · · · · · ·	(2 107	1 611	jj	428
Other British South Africa.	488	909	3, 661	2, 912	{ 2, 197 { 53	1,011		420
Gold Coast.	'	1			יניטי			16
Nigeria		1						1, 282
British Wast Africa		11		1	51	359		1, 202
Other French Africa				63	, 01	0.08		973
Other French Africa								83
Liberia	27							50
Morocco							835	
Mozambique	61			90		79	2,500	33
-			·		!			
Total	168, 537	263, 108	291, 762	320, 943	285, 397	242, 368	173, 215	96,856
	·,		1	.,				

VALUE-Continued

¹ Includes Syria.

CANADA

The history of Canadian exports of belting from 1920 to 1930 is one of steady growth. In the first year mentioned it sent abroad 30,396 pounds of belting of all sorts, valued at \$48,331. By 1923 these figures had grown to 569,018 pounds, valued at \$279,840, by 1926 to 1,149,971 pounds and \$622,401, and in 1930 amounted to 1,381,501 pounds and \$501,158. In Canada rubber belting is produced in plants which manufacture principally tires and mechanical rubber goods, though some firms specializing in footwear also produce belting. Although the exact number of Canadian manufacturers of rubber belting is not available, only 47 separate rubber manufacturing establishments were reported for the entire Canadian industry in

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1930, and the number of factories producing belting is believed to be less than a dozen.

Owing to the importance of the local Canadian market, and the lower tariff rates accorded to Canadian than United States products in many British possessions, several United States rubber manufacturing companies have established subsidiary Canadian plants, which are being used to an increasing extent as a base for exports of rubber belting. There are also a few strictly Canadian firms, such as the Gutta Percha & Rubber Manufacturing Co., which manufacture and export rubber belting. No balata belting is exported from Canada. Leather belting is produced in Canada but only trifling quantities are exported. However, Canada has rapidly become one of the important competitors in international trade in rubber belting. The following table shows the total Canadian exports of belting during the period 1920–1931.

TOTAL CANADIAN DATORIS OF DEBINAG	TOTAL	CANADIAN	EXPORTS	OF	Belting
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Year	Quantity	Value	Year	Quantity	Value
1920	Pounds 100, 069 96, 050 329, 120 569, 018 726, 569 1, 261, 869	89, 704 165, 586 279, 840 422, 615	1926 1927 1928 1929 1929 1930 1931	Pounds 1, 149, 971 1, 227, 417 1, 233, 031 1, 493, 084 1, 381, 501 903, 470	\$622, 401 502, 220 483, 204 598, 688 501, 158 270, 539

As a practical matter, the Canadian rubber belting exports may be considered as an adjunct to the business of United States companies, though from a national standpoint the business must be regarded as competitive. The following table shows exports, by classes, for calendar years. The rapid growth in exports of rubber belting is very evident. The weights shown are net, and the values reported are based on the selling price as declared by exporters.

CANADIAN EXPORTS OF BELTING, BY CLASSES

	Rubber	belting	Leather l	belting
Year	Quantity	Value	Quantity 1	Value
	Pounds		Pounds	
920	69, 673	\$62,062	30, 396	\$48, 33
921		41, 063	30, 591	48, 64
922		152, 105	8, 478	13, 48
923	550, 062	249, 699	18, 956	30, 14
924		383, 864	24, 371	38, 75
925		615, 518	48, 585	77, 25
)26	1, 149, 222	621, 210	749	1, 19
927		500, 935	808	1, 28
028		470, 902	7,737	12, 30
929	1, 471, 651	564, 609	21, 433	34, 07
930		490, 299	6, 829	10, 85
931		269,031	948	1, 50

¹ Estimated.

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For convenience in reference the average value per pound of Canadian rubber belting exports for the year 1920–1930 is shown in the following statement. The decline is more pronounced than in the case of United States exports, but the more striking fact is that the value per pound of Canadian belting exports should be so much lower than that for United States. From 1926 to 1928 the decline in value was pronounced for Canada, while the value for United States rubber belting exports was relatively stable; since 1928, the average values have declined at approximately the same rate for the two countries.

AVERAGE VALUE PER POUND OF CANADIAN EXPORTS OF RUBBER BELTING

1920 1921	\$0. 89 63	1924	80. 56	1928	\$0.38 38
1921 1922 1923	. 47	1926	. 54	1930	. 36

More than half the exports of Canadian rubber belting goes to British possessions. The United Kingdom has replaced South Africa as the leading market, alone taking a third of the total. New Zealand, British Malaya, and Newfoundland and Labrador also take considerable quantities. More rubber belting is shipped from Canada to New Zealand than from the United States. Canada and the United States divide the rubber-belting trade with Newfoundland, the British West Indies, and British Guiana about equally. Outside the British possessions, Denmark, Argentina, Portuguese Africa, France, Brazil, and Chile are the leading markets. Canada exports little belting to continental Europe, except to France.

The following table shows the 15 leading markets for Canadian rubber belting in 1924, 1930, and 1931, the countries being arranged in order of their importance as markets during the latter year:

	1924		1930		1931	
Country	Quantity	Rank	Quantity	Rank	Quantity	Rank
<u></u>	Pounds	;	Pounds		Pounds	
United Kingdom	49, 926	51	365, 154	1	307, 138	1
British South Africa	203, 267	1	98, 446	5	168,011	2
Denmark			350, 889	2	109, 584	3
Argentina	192, 784	2	120, 646	4	99, 294	4
New Zealand	53, 137	4 !	121, 150	3	28,007	5
Portuguese Africa	17, 777	9	6, 457	18	24,054	6
British Malaya	17, 722	10	14, 783	14	23, 842	7
Newfoundland and Labrador	8, 187	15 4	15, 206	12	21, 743	8
France	984	26	60, 768	6	20,668	9
Brazil	62, 704	3 -	14, 915	13	19,623	10
Chile	2,853	19	2, 108	20	14, 781	11
Sweden	930	25 -	9, 286	16	9, 983	12
Netherlands			27,058	8	8,723	13
United States			312	28	8, 170	14
Italy		21	1,326	22	3, 233	15

FIFTEEN LEADING MARKETS FOR CANADIAN RUBBER BELTING

A growing number of countries are now taking belting from Canada. The tables following show official statistics of Canadian rubberbelting exports, by countries, for the calendar years 1925–1931.

CANADIAN EXPORTS OF RUBBER BELTING TO FOREIGN COUNTRIES DURING CALENDAR YEARS 1925-1931

QUANTITY

Country of destination	1925	1926	1927	1928	1929	1930	1931
Belgium.	Pounds	Pounds	Pounds 419	Pounds 43, 376	Pounds 30,460	Pounds 24, 397	Pounds 4, 244
Bulgaria				40,010	30,400	24, 391	4, 244
Denmark	8,764	92, 537	150, 123	93, 325	135, 306	350, 889	109, 584
Finland	29,427	48, 533	35, 795	3, 167	703	550,005	103, 001
France.	20, 121	10,000	00,100	1,470	380	60, 768	20,668
Italy	10.335	6,934	13,038	5, 238	7, 292	1, 326	3, 233
Netherlands.	4, 875	10, 196	16,831	20, 697	28,115	27, 058	8,723
Norway		135	10,001	1,044	4,150	21, 283	549
Spain				12,055	31.952	58, 993	1.419
Sweden		35, 785	24,880	19, 218	10, 168	9, 286	9,983
Switzerland				143	608	532	0,000
United Kingdom	185, 176	217,005	105, 826	227,874	344, 153	365, 154	307, 138
United States	976	1, 380	70		126	312	8,170
British Honduras	442	125	69	174	168		110
Costa Rica				434			
Guatemala						260	
Nicaragua Panama		240	914	777			
				166			
Mexico.				458	1,156		1,159
Miquelon and St. Pierre Island	65		9	140	468		205
Newfoundland and Labrador	9,662	17, 930	6, 138	23, 136	20, 716	15, 206	21,743
Bermudas	369	170	75	348	287	566	424
Barbados	702	40	442		468	59	1,236
Jamaica.	4, 769	2,667	4, 553	3, 979	3,864	6, 226	2,613
Trinidad and Tobago	719	982	4, 523	1, 439	485	1,400	816
Other British West Indies	4, 375	2,721	1, 020	1, 143	1, 168	622	468
Cuba						228	
French West Indies			106	189			242
		336	170	104	315		
Argentina Bolivia	207, 484	204, 532	245, 680	261, 682	320,006	120, 646	99, 294
Bonvia	113, 540	57, 519	82, 959	112, 480	73, 396	14, 915	1,069 19,623
Chile	113, 340	3, 024	7, 623	112,400	32, 336	2,108	19,023
Colombia	1, 304	3, 746	1, 528	9, 224	972	1,401	14, 781
British Guiana	3, 224	4, 260	3,056	5, 303	1,838	3, 442	1.193
Peru	0, 447	627	525	107	3, 697	0, 114	1,600
Uruguay	1,010		2, 157	1, 825	1,974	2, 195	1,000
Venezuela.	1,010	2, 220	1,431	1,020	134	1.007	208
British India	39,238	52,770	57, 436	22,763	57.141	21, 557	8, 220
British Malaya	10,457	27, 521	40, 933	41, 478	70, 190	14, 783	23,842
Ceylon	362	6,639	,	36	212	11,100	381
China.	13, 735	2,789			1		1.190
Netherland India	4,617	1.448	14,632	15,657	27,438	14,432	2,876
French Indo-China					6, 326		2,474
Iraq				200			
Japan	28, 465	41,674	49, 512	41,964	12,863		
Australia	22,627	17,916	31, 287	65, 564	38, 122	5, 969	
Fiji Islands	1, 846	725	1,119	615	1,476	1,149	837
New Zealand	144,800	102,660	107, 344	120, 303	142,628	121, 150	28,007
British East Africa	10, 750	10, 211	7, 501	6,703	3,805		2,076
British South Africa	277, 473	164, 558	206, 802	59, 296	54, 589	98, 446	168,011
British West Africa	2, 028	<u>-</u>] 	
		4,458	1	1	1	6.457	24,054
Portuguese Africa	14, 919	4,400				0,107	~1,001
Portuguese Africa		·	1, 226, 609		1, 471, 651	ļ	902.522

VALUE

\$1,320	. 754	1 \$	\$8,461	\$15,890	\$212			Belgium
					36			Bulgaria
37,957	, 202	3 13	46, 983	41, 453	62,706	\$59,089	\$2,468	Denmark.
		32	232	1,491	18,682	29,662	16,458	Finland.
4,941	462	36 1	136	531				France.
871	413	6	2,636	2, 183	5, 276	2,859	4,651	Italy
2,402	, 211	2 1	12, 142	10,887	8, 244	4,809	3, 105	Netherlands
175	683	25	925	456		66		Norway.
378	592	14 2	11,464	5,028				Spain
3,239	027	8	3, 288	6,874	8,788	21,320	29,856	Sweden
	151	34	134	57				Switzerland
89, 238	470	32 11	115,782	74, 132	36, 776	103, 905	84, 455	United Kingdom
1,080	215	31	81		45	851	690	United States
50		33	83	95	42	92	220	British Honduras
	• †-			345				Costa Rica
	220 .							
				566	712			
				108				Panama
	220	3	83	345 	42	92 210	220	British Honduras Costa Rica Guatemala Nicaragua

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CANADIAN EXPORTS OF RUBBER BELTING TO FOREIGN COUNTRIES DURING CALENDAR YEARS 1925-1931--Continued

Country of destination	1925	1926	1927	1928	1929	1930	1931
Mexico.				\$647	\$499		\$450
Miquelon and St. Pierre Island	\$44		\$7	73	133		132
Newfoundland and Labrador	4, 308 298	\$8, 765 134	2,241	8, 203 271	11, 023 199	\$5, 473	8,273
Bermudas	298 497	134	59 313	271	370	453	235 998
Barbados				1.643		58	998 901
Jamaica	2, 196	1, 424	1,734		1, 393	2,155	
Trinidad and Tobago	508	753	2, 505	582	319	794	372
Other British West Indies	4, 058	2, 295	793	875	1, 121	452	312
Cuba	!	•••••				100	
French West Indies			86	148			118
Haiti, Republic of		278	98	68	176		
Argentina	94, 115	103,067	86, 875	86, 700	109, 542	38, 566	27,431
Bolivia	*******						501
Brazil	47, 508	27, 998	30, 188	44, 748	28, 823	5, 175	6, 302
Chile	993	2, 589	501		16, 164	723	5, 754
Colombia	15	2, 949	5, 185	6, 388	687	786	27
British Guiana	2, 366	3, 178	1,954	3, 347	1,816	2,342	598
Peru		161	368	64	1, 500		530
Uruguay	510	932	770	646	704	804	- -
Venezuela		1, 020	961		69	847	113
British India	14,864	23, 248	19,623	7, 785	20, 978	8,272	4, 248
British Malaya	6, 251	14, 724	13, 206	16, 479	27, 501	5,655	8, 113
Cevlon	173	2,988		14	73		133
China.	5,834	1, 127					384
Netherland India	2, 193	590	4, 350	5, 953	11,034	5, 251	1,022
French Indo-China					2,420		782
Iraq				76			
Japan	10,645	15,837	15,040	17, 173	4,961		
Australia	15,631	12,927	15,086	26, 224	18, 703	3, 140	
Fiji Islands	1,450	377	597	442	1, 107	938	586
New Zealand	100, 135	69, 504	59,106	54, 558	75,640	61.241	12,656
British East Africa	7, 524	8,859	5,376	5, 333	2,497		899
British South Africa	139, 704	89,828	92, 394	22, 366	22,810	29,037	40, 639
British West Africa	1.432		,	,	,	,	,
Portuguese Africa	10, 381	2.867				1,737	4, 871
Total	615, 518	621, 210	500, 935	470,902	564,609	490, 299	269, 031

VALUE-Continued

Canada's share in the total world trade in belting is increasing. In 1920 it supplied only 0.1 per cent of world exports of this sort. By 1922 it sent out 1.5 per cent, by 1924, 2.8, in 1926, 4.2, in 1928, 4.2, and in 1930, 5.7 per cent. The trend is even more pronounced in regard to its share of the total rubber belting trade. In 1930 its proportion of the total amounted to only 0.3 per cent, while by 1930 it was over 11 per cent.

UNITED KINGDOM

The British belting industry differs from that of the United States in that it is common for a single manufacturer to produce belting of several different classes. Rubber, leather, balata, and woven beltings are sometimes produced by a single firm. In the United States, manufacturers of rubber or balata belting sometimes produce woven beltings, but never any leather belting; neither do United States leather belting manufacturers often produce belting of other materials. There are numerous manufacturers of each of the various classes of belting in Great Britain. A few of the makes most commonly met with in export trade are leather belting produced by John Tullis & Co., balata belting produced by R. & J. Dick (Ltd.), hair belting produced by F. Reddaway & Sons, and rubber belting produced by the India Rubber, Gutta Percha & Telegraph Works Co., and by the North British Rubber Co. Many other British firms are of importance in the international trade in belting, but those named above are representative in their respective lines.

Great Britain led in the export trade in belting in pre-war days even more than at present, the volume of total exports of all classes of belting in 1912 reaching 13,835,136 pounds as compared with 5,006,206 pounds for Germany, then holding second position in the trade. Exports of machinery belting were formerly officially reported in British trade statistics in three classes: (1) Leather belting, (2) woven hair or cotton belting, and (3) other types, largely made up of balata with rubber belting is reported separately from cotton belting, and balata belting has been separately reported, having rubber belting as the chief constituent of the "other types" since 1924.

Annual exports of belting from Great Britain are now considerably lower than in pre-war years. In 1923 the annual volume of exports of leather belting was less than half as great as in 1912, and in 1930 they were 29 per cent lower. Exports of balata and rubber belting combined are proceeding at about three-fifths of the 1920 rate, for increased United States competition and loss of trade in European markets since the war has cut into the British trade in balata and leather belting.

Great Britain is the leading country in point of total export trade in belting, but its share of the market is steadily decreasing. In 1920 it sent abroad 54.9 per cent of the world's belting exports. By 1922 this percentage had fallen to 43.1, by 1924 to 39.9, by 1926 to 34.9, 1928 to 34.8, and 1930 to 32 per cent. The total quantity and value of exports are shown in the table that follows, from 1921 through 1931, the value being stated in pounds sterling and also in United States currency computed on the basis of average annual exchange rates. It is of interest that whereas United States total exports of belting in 1931 were 46.5 per cent lower than in 1929, British exports were lower by 44.9 per cent, the exports of the two countries having declined at an approximately equal rate in 1930 (26 per cent) and 1931.

Year	Quantity	Value (British currency)	Value (United States currency)	Year	Quantity	Value (British currency)	Value (United States currency)
1921 1922 1923 1924 1925 1926	Pounds 7, 678, 160 9, 189, 824 10, 827, 264 10, 486, 894 10, 057, 712 9, 920, 288	£1, 930, 414 1, 722, 967 1, 870, 286 1, 879, 352 1, 763, 751 1, 653, 454	\$7, 412, 789 7, 615, 512 8, 547, 207 8, 306, 730 8, 518, 917 8, 035, 786	1927 1928 1929 1930 1931	Pounds 9, 625, 392 10, 146, 080 10, 512, 208 7, 705, 488 5, 794, 096	£ 1, 533, 499 1, 616, 765 1, 550, 130 1, 170, 500 656, 663	\$7, 452, 805 7, 873, 655 7, 923, 403 5, 688, 630 3, 000, 953

TOTAL BRITISH EXPORTS OF BELTING

In the following table the annual exports of machinery belting from Great Britain are shown by classes, quantity, and value, for 1920 through 1931. The volume is in pounds based on reported units of hundredweights, equal to 112 pounds. The weights shown are net weights, and the values free-on-board ship values; both quantities and values are based on exporters declarations as in the case of United States exports. The statistics are for calendar year periods, and cover domestic exports only.

	Leather	belting	Woven hai	ir or cotton	Other sorts		
Year	Quantity	Value	Quantity	Value	Quantity	Value	
920	1, 956, 864 1, 889, 776 2, 394, 784 2, 312, 912 2, 084, 656 1, 788, 080 1, 808, 016 1, 808, 016 1, 709, 232 1, 237, 664	\$5,000,734 2,603,397 2,297,648 2,358,701 2,486,291 2,376,305 2,059,342 1,981,781 2,007,974 2,045,744 1,563,928 1,031,522	Pounds 8, 029, 168 3, 830, 176 4, 927, 552 5, 514, 768 5, 2091, 968 5, 120, 640 5, 278, 336 5, 349, 344 5, 344, 096 1, 940, 064	\$7, 422, 527 3, 073, 102 3, 347, 579 3, 814, 332 3, 775, 639 3, 817, 120 3, 547, 041 3, 606, 429 3, 512, 749 2, 212, 155 1, 067, 990	Pounds 5, 015, 584 1, 891, 120 2, 372, 496 2, 650, 256 2, 689, 216 2, 881, 088 3, 011, 568 3, 011, 568 3, 040 3, 164, 896 3, 561, 488 3, 073, 728 2, 855, 216	\$5, 078, 8: 1, 736, 2: 1, 970, 2: 2, 174, 17 2, 026, 01 2, 325, 44 2, 200, 9: 1, 923, 9: 2, 259, 2: 2, 364, 91 1, 912, 5: 901, 4:	

EXPORTS OF BELTING FROM THE UNITED KINGDOM

The following table, giving the percentage of total British belting exports supplied by each class, shows that something approaching a revolution in the trade has occurred in recent years. In the period from 1920 to 1924 a little over half the total exports consisted of hair and cotton belting with the balance divided more or less equally between leather belting and balata and rubber beltings. In 1925, - balata belting was separately reported from rubber belting and since • then exports of rubber belting have constantly supplied an increasing percentage of the total, actually increasing in quantity, even in 1931, to supply over 39 per cent of the total in that year. Balata belting has declined from 15 per cent of the total in 1925 to about 10 per cent in 1931. Leather belting in recent years supplied about onesixth of the total. Hair and cotton belting continued to furnish over half the total until 1928, with the percentage of hair belting increasing and that of cotton declining; woven hair belting in 1931 supplied only a little over 20 per cent of the total against 30 per cent in 1928. and cotton belting in 1931 accounted for less than 13 per cent against more than 26 per cent in 1927. Rubber belting exports in 1931 were larger than the British exports of any two other classes, although as late as 1927 they constituted the smallest class of belting exported from United Kingdom.

Year	Leather	Cotton Hai	Balata	Rubber
 1921		49.9	24	
1922 1923		53.6 53.4	25 24	
1924	oo =	52. 5 50. 6	25	. 4 13. 1
1926		53.4 26.2 29	.6 15.7 13.7	12.2 12.7
1928		21.9 30	.8 13.6 .4 12.8	17.6 21.1
1930 1931	16. 7 17. 2	16.8 26	6 12.8 6 10.1	27. 1 39. 2

PERCENTAGE OF BRITISH EXPORTS OF BELTING SUPPLIED BY DIFFERENT CLASSES

The average value per pound of the various classes of belting for each of the years from 1921 through 1930 is shown in the following table in United States currency, conversion being at the annual average exchange rates. The value per pound of leather belting has been relatively stable; the price of hair belting continued fairly steady until 1931; balata and cotton belting prices declined gradually; and rubber belting prices have dropped most rapidly. In 1931, there was a very pronounced drop in the average value per pound of each class, owing partially to the decline in the value of sterling from \$4.86 in 1930 to \$4.57 in 1931, but the decline would still be pronounced even if exchange for 1931 were figured at par. Perhaps the comparison of per pound values is not truly indicative of the relative costs of belting of different materials that might be used on a particular drive, but the fact that rubber belting shows the greatest gain in recent years, and also has the lowest per pound value, must be regarded as significant.

AVERAGE VALUE PER POUND FOR BRITISH EXPO
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Year	Leather	Cotton	Hair	Balata	Rubber
1921 1922 1923 1923	1. 20 1. 07	\$0. 8(. 68 . 66 . 69	5	\$0. 8 . 8 . 8	3 2
1925 1926 1927 1927	1. 14 1. 15 1. 10 1. 23	. 7: . 7 \$0. 58 . 61	5 \$0.76 .72	\$0.89 .91 .88 .86	\$0.71 .70 .63 .60
1929 1930 1931	1. 21	. 59 . 57 . 48	, 73 , 72 , 59	.80 .81 .70	. 56 . 53 . 40

[United States currency]

It is worth noting that the bulk of the British trade was formerly in woven hair and cotton belting, which was the cheapest class until recently, according to the official export statistics. In this class of belting Germany is the chief trade competitor of Great Britain. In the volume of trade in this class, Great Britain far outranks any other country. In leather belting England has recently lost its leading position to France, and in rubber belting it has always ranked behind the United States. Under the description "other sorts of belting" balata belting formerly constituted the bulk of British exports, it being early developed to a greater extent than rubber belting in the British trade; in recent years rubber belting has furnished the predominant share of exports under this heading.

The higher cost of balata than of crude rubber results in a higher price for the finished balata belt. Few United States firms manufacture balata belts, while rubber belting has reached its greatest development on this side of the Atlantic. The overproduction of crude rubber, which has resulted in low crude rubber prices, is a factor in keeping rubber belting lower in price than balata. The British statistics show the general demand of the consumer for a lowpriced article, and in satisfying this demand with high quality rubber belting United States manufacturers took the lead in the rubber belting trade and continue to hold it.

In 1920 the United Kingdom supplied 40.8 per cent of the world's leather belting exports. By 1925 this share had fallen to 27.1, and by 1930 to 20.8 per cent. British India continues to be the largest market for British leather belting exports, although it is a declining one. In 1922 Bombay took 4,513 hundredweights of such belting, Madras 583, and Bengal 1,222; by 1930 Bombay took 2,974 hundredweights, Madras 439, and Bengal 1,796. China is the next largest consumer, taking 1,793 hundredweights in 1922 and 1,000 in 1930; Egypt comes next, then the United States, followed by the Union of South Africa. The following table shows British leather belting exports, by countries, in hundredweights and pounds sterling, for the years 1925-1931. British possessions were taking a much larger share (58.5 per cent) of the total exports in 1930 than in 1922 (52 per cent), but this is partly due to inclusion of the Irish Free State, formerly a part of the United Kingdom, among the British possessions.

UNITED KINGDOM EXPORTS OF LEATHER BELTING TO FOREIGN COUNTRIES DURING CALENDAR YEARS 1925-1931

Country of destination	1925	1926	1927	1928	1929	1930	1931
	Cwt.	Cut.	Cwt.	Cwt.	Cwt.	Cwt.	Cut.
Belgium	118						22
Denmark	136						31
Finland.	200						20
France	198	176	123	148	121	116	65
Germany	202	94	398	174	172	89	135
Greece.	184	145	85	53	70	90	27
Italy	224	310	242	211	185	101	122
Netherlands	461	391	599	139	56	46	41
Norway	402	203	197	160	175	96	24
Poland and Danzig	165	123	102	98	36	49	156
Portugal	62	95	76	140	41	60	21
	676	90	10	140	41	00	21
Russia		106	69	139	177		
Spain	77					160	35
Sweden	247	267	293	231	207	194	175
United States	581	261	560	439	452	418	148
Mexico	334	234	92	114	154	82	29
Argentina	559	574	660	685	590	278	151
Brazil	737	556	745	592	581	228	98
Chile	264	274	155	114	111	196	52
Peru	41	102	44	66	29	37	33
China	1, 229	1, 388	801	1, 074	1, 121	1,000	819
Egypt	386	241	686	460	603	472	492
Other foreign countries	942	1, 406	1, 453	1,070	1, 448	1,064	680
Total	8, 425	6, 946	7, 380	6, 157	6, 329	4, 776	3, 376
Irish Free State	234	334	192	241	232	236	150
Canada	316	294	233	159	400	208	176
British India	7, 329	5,957	6, 279	6.417	6. 712	5, 302	4, 49
British South Africa	625	305	714	601	410	300	223
Australia	350	278	346	185	237	72	2
New Zealand	334	291	139	146	193	102	4
Other British countries	1,000	1,060	860	664	748	501	420
Total to British countries.	10, 188	9, 019	8, 763	8, 413	8, 932	6, 721	5, 54
Grand total	18, 613	15, 965	16, 143	14, 570	15, 261	11, 497	8, 91

QUANTITY

VALUE

						1	
Belgium	£2,810						£688
Denmark	3, 337						781
Finland	4,467						390
France	6, 163	£ 5, 152	£3,452	£4,288	£3,749	£3, 161	1,812
Germany	4, 865	2, 542	8, 731	4,006	3, 328	2,839	2,371
Greece	5,629	3, 970	2, 380	1,600	1, 999	2,322	621
Italy	6,057	7,684	5, 278	5,775	5, 608	2,955	2,960
Netherlands	9, 266	8,111	12, 224	3, 142	2, 116	1, 529	1,102
Norway	9, 188	4, 538	4, 283	3,434	2,738	2,204	598
Poland and Danzig	6, 644	4, 496	3, 719	2, 414	730	879	2,865
Portugal	1,727	2, 491	2,032	4,348	1, 347	2, 147	786
Russia	24, 900]					
Spain	2, 401	2,624	1, 884	3, 752	5, 940	5, 430	786
Sweden	5, 634	6, 148	6, 632	7,133	4, 778	4,616	3, 881

UNITED KINGDOM EXPORTS OF LEATHER BELTING TO FOREIGN COUNTRIES DURING CALENDAR YEARS 1925-1931-Continued

Country of destination	1925	1926	1927	1928	1929	1930	1931
United States	£13,045	£7, 425	£9, 981	£11, 379	£10,888	£8, 656	£3, 647
Mexico		7, 164	2,895	2,814	3, 880	2,379	735
Argentina	15,647	15, 204	16, 457	19, 150	16,407	7,788	3,068
Brazil		17, 108	23, 033	17,762	18, 115	8, 111	2,798
Chile	5,856	6, 990	3, 450	2,648	2,439	4, 795	1, 240
Peru	1,159	2,707	1,350	2,264	944	1,064	873
China	30,358	35, 275	20, 150	29, 325	31, 925	28, 623	21, 920
Egypt	8, 139	5,056	12,848	8,694	11, 531	8,8/4	7,218
Other foreign countries		37, 508	35, 711	31, 625	36, 480	26, 816	15, 082
Total to foreign countries.	223, 671	182, 193	176, 490	165, 553	164, 942	125, 188	76, 222
Irish Free State	8, 133	7, 503	6,019	7, 434	8, 101	6,696	4, 287
Canada	6, 785	6,675	4, 912	4, 498	7, 540	5, 382	4,820
British India		167, 484	167, 661	189, 753	199, 555	158, 615	121, 881
British South Africa	15, 364	19, 555	19, 520	17, 976	10, 611	8,092	6, 638
Australia		7,826	8, 507	5,011	6,063	2, 206	512
New Zealand		6, 446	4, 143	3, 691	4, 318	2,757	1, 296
Other British countries	23, 767	26, 051	20, 522	18, 399	19, 805	12,860	10, 060
Total to British countries.	268, 327	241, 540	231, 284	246, 762	255, 993	196, 608	149, 494
Grand total	491, 998	423, 733	407, 774	412, 315	420, 935	321, 796	225, 710

VALUE-Continued

In 1920 the United Kingdom supplied 47.7 per cent of the world exports of rubber and balata belting. In 1925 this declined to 26.1 per cent and by 1930 to 24.6. Ten years ago France was the largest single market for British belting of this sort, taking 2,959 hundredweights. Brazil came next with 1,475, then Finland with 1,293, Denmark with 1,203, and Australia 1,000.

Beginning with 1925, British export statistics show balata belting separately from rubber belting. In 1929 the United Kingdom sent 11,997 hundredweights of balata belting abroad, valued at £232,178. South Africa was the largest single market, taking 1,112 hundredweights, followed by Australia with 775, Brazil taking 631, and Canada 612 hundredweights. During the same period 14,788 hundredweights of rubber and canvas belting was exported, worth £174,229. British South Africa took 4,812 hundredweights of this, British India 2.024, Sweden 1.202, and Norway 1.163. In 1930 the exports of balata belting dropped to 8,790 hundredweights, valued at £164,402. South Africa continued as the largest consumer, taking 808 hundredweights, British India increased its share to 777 hundredweights, the Netherlands required 568 hundredweights and the Irish Free State 522. In the rubber belting line, 13,928 hundredweights were exported valued at £159,331. South Africa again led with 4,540 hundredweights, British India took 1,506 hundredweights, Sweden 672, and the Netherlands 552. The following tables show British exports of balata and rubber belting by countries from 1925 through 1931.

United Kingdom Exports of Balata Belting, by Countries, During the Calendar Years 1925-1931

Country of destination	1925	1926	1927	1928	1929	1930	1931
	Cut.	Cut.	Cut.	Cut.	Cut.	Curt.	Cut.
Belgium	714	531	501	342	218	125	142
Denmark	798	513	383	377	370	195	238
Finland	181	430	413	371	260	348	41
France.	733	311	327	361	308	184	110
Germany	232	213	35	217	479	452	124
Italy	406	377	167	334	328	265	118
Netherlands	212	124	68	406	534	568	311
Spain	312	352	414	289	341	189	39
Sweden	326	146	114	161	256	140	376
Argentina	698	1, 198	767	700	600	498	390
Brazil	908	724	667	666	631	187	89
Peru	169	212	211	125	97	62	44
China	371	244	257	84	54	98	86
Japan	405	389	269	235	228	21	32
Other foreign countries	1, 477	1, 309	1, 623	1, 998	2, 148	1, 538	743
Total to foreign countries	7, 942	7,073	6, 216	6, 666	6, 852	4, 870	2, 883
Canada	740	669	416	506	612	336	285
Irish Free State	376	443	509	493	570	522	434
British India	935	743	595	773	583	777	330
British South Africa	1, 297	1,714	1,476	1, 597	1, 112	808	665
Australia	1,073	1, 188	922	897	775	285	39
New Zealand	785	732	478	500	598	356	- 111
Other British Countries	844	858	1, 121	894	895	836	463
Total to British countries	6, 050	6, 347	5, 517	5, 660	5, 145	3, 920	2, 327
Total	13, 992	13, 420	11, 733	12, 326	11, 997	8, 790	5, 210

QUANTITY

VALUE

		1					
Belgium	£15,026	£11,786	£10,031	£6, 447	£4, 210	£2,060	£2,317
Denmark	12, 066	8, 361	5,600	5, 879	5,628	2, 774	3, 03.
Finland		8,942	7,649	7,027	4,658	5,001	396
France	14,031	6, 584	6, 165	7,009	5, 527	3, 554	1,984
Germany	4, 181	4,428	863	4,611	10,096	7,917	2, 197
Italy	8, 141	7,347	3, 315	6, 565	6, 513	4,999	1,89
Netherlands	3,447	2,574	1, 252	8, 185	10,458	10,729	5, 38
Spain	6,431	6,860	8,496	6,000	7,381	3, 796	65
Sweden	5,860	2,969	1,939	2,542	3, 894	2,089	4,86
Argentina	14,030	23, 379	15,308	13, 543	11,203	7,839	7,00
Brazil	17,091	13, 743	12, 176	11,493	10, 189	3,341	1, 44
Peru		5,011	4, 292	2,483	1,906	1,312	77
China.		3, 985	4, 112	1,406	1,091	2,080	1, 20
apan		7,963	5,039	4, 159	4, 107	424	48
Other foreign countries	30, 803	27, 853	32, 182	39, 518	40, 432	27, 479	11, 28
Total to foreign countries	152, 411	141, 785	118, 419	126, 867	127, 293	85, 394	44, 92
Canada	18, 331	15, 719	9,230	10,978	12,300	6, 555	5, 40
rish Free State	10,095	11, 188	13, 230	11,978	14, 286	12,533	10, 68
British India	21, 357	16, 901	12,366	16,433	11, 991	14,841	6, 31
British South Africa	25, 781	36, 443	30, 863	29,714	21,530	14,407	11,08
Australia	24.062	26,690	18,907	18,280	15,870	5,707	62
New Zealand	16, 718	14, 322	9,302	8,531	10,634	7,118	1,84
Other British countries	20, 712	19, 989	24, 735	20, 138	18, 274	17,847	8, 55
Total to British countries	137, 056	141, 252	118, 633	116, 052	104, 885	79,008	44, 51
Total	289, 467	283,037	237,052	242, 919	232, 178	164, 402	89,43

United Kingdom Exports of Rubber Belting, by Countries, During the Calendar Years 1925-1931

Country of destination	1925	1926	1927	1928	1929	1930	1931
	Cwt.	Cwt.	Cwt.	Cut.	Cwt.	Cut.	Cwt.
ustria			16	14.	21	6	
elgium ulgaria	- 334	243	35	92 6	177	263	13
hannel Islands			2	62	4	6	
zechoslovakia			22	50	2	45	
enmark	223	145	299	386	299	342	34
stonía			11	000	21	56	. 0.
inland	177	170	238	354	166	106	4
rance	649	634	35	133	224	203	3
ermany	394	106	17	241	119	298	ĩ
reece			19	5	6	37	16
ungary			13	17		1	
eland					1	1	
ish Free State		145	186	308	183	134	12
aly		84	49	137	7	40	4
stvia			12	10	12		
alta and Gozo Islands			1		· · · · · · · · · · · · · · · · · · ·		
etherlands		140	143	377	223	552	26
orway		303	486	627	1, 163	364	44
oland and Danzig			55	95	76	124	
ortugal	-		31	29	24	79	
umania			239	87	70	14	
ussia		218	$15 \\ 228$	38 442	79 206	57 896	2
		503	787	1, 330	1,202	672	
weden	- 559	.005	11	1, 330	1, 202	23	8
urkey	-		22	90	11	12	
ugoslavia			4		1	1.4	
anada	. 80	33	51	51	20	226	
exico	-		128	25	15		
exico ewfoundland and Labrador			ĨĬ	13			
nited States	812	297	128	315	8	84	
osta Rica		-01	22	25	28	28	
uatemala				3	$\tilde{2}$		
icaragua					15	2	
anama			7				
lvador			13	18	10		
maica			1	17		1	
rinidad and Tobago			21	18		10	
ther British West Indies			7	7	64	5	
uba			3				
etherland West Indies				8			
rgentina		1,406	928	1,415	867	550	3, 5
olivia			23	21			
razil	_ 204	59	87	341	273	34	
fitish Guiana			14	3	3		
hile		307	93	260	212	73	2, 5
olombia	-]		6	7	21	11	
cuador			4	3	1		
araguay	20	87	14		3 27	6 8	
m		1 01	14	14	21	8	
rinam ruguay		{	2	j1	52	78	• • •
enezuela			$\frac{1}{2}$	2	.02	6	
len		J	· · · ·	34	1	v v	
prus Island		1	29	9	29	109	
AQ			1 5	2		100	
lestine.			5	3		1	
ersia.			· 1		32		1
/ria			i 1				
itish India		1.342	1.626	2,417	2,024	1,506	1.2
itish Borneo			4				
itish Malaya			60	130	232	30	3
vlon		[50	63	4	9	
aina	82	21	7	4	3	464	
ench Indo-China			41	68	2		
And Vona			52	51	2	49	
pan and Chosen			5	24	10	107	
etherland India			135	215	168	72	
ench Indies			i				
hilippine Islands			16	6		- -	
rtuguese India			·	6			
am),			22	27	45	59	
ustralia	. 212	215	157	196	241	8	
ther British Oceania						143	
ew Zealand	- 601	476	585 2	438	365	461 25	4
geria							

QUANTITY

UNITED KINGDOM EXPORTS OF RUBBER BELTING, BY COUNTRIES, DURING THE CALENDAR YEARS 1925-1931-Continued

Country of destination	1925	1926	1927	1928	1929	1930	1931
Belgian Congo	Cut.	Cut.	Cwt.	Cut.	Cwt.	Cwt.	Cut.
British East Africa:				14		1 1	
Kenya and Uganda				162	109	45	70
Tanganyika and Nyasaland				13	21	6	12
Zanzibar and Pemba Mauritius and Seychelles		•••••	32	28	8 138	28	14
British South Africa	1.962	2.004	3,276	4.098	4,994	4,662	4, 575
British West Africa:	-,		0,010	-,	-,		
Gold Coast and Togoland				107	86	73	87
Nigeria and Cameroons				69 2	22	8	77
Other British West Africa Canary Islands				2		·····ī	1
Egypt				23	22	18	58
French West Africa			13				
Madagascar					7		
Morocco.				191	285	504	2 129
Mozambique Italian Africa				191	200	004	129
Spanish Africa							$\hat{2}$
Tunisia		 .	32			54	3
				4			
Other foreign countries Other British countries							
o we street countil (
Total	11, 732	10,469	10, 937	15, 932	14, 788	13, 928	17,215

QUANTITY-Continued

VALUE

					1		
Austria	1		£347	£305	£277	£129	£945
Belgium	£4 833	£3,964	644	2,020	1,849	2, 311	922
Bulgaria			••••	114	-,	_,	1
Channel Island			74	910	63	127	230
Czechoslovakia			549	1, 182	39_	613	739
Denmark		2.680	5,061	5,651	4.086	4,408	3,735
Estonia		2,000	169	0,001	194	527	61
Finland		2,950	3,562	5, 283	2,179	1, 237	398
France		9,968	647	2, 193	3, 148	3, 131	3, 859
		2,077	447	2, 195	2, 268	4, 474	
Germany		2,011	231	3, 86			1, 222
Greece			193	285	47	530	2,049
Hungary			195	200 6		48	106
Iceland					24	17	7
Irish Free State			4, 142	5,464	2, 471	1,652	1,613
Italy		1, 555	829	2, 930	105	466	815
Latvia			103	170	204		18
Malta and Gozo Islands			_40	16	16		
Netherlands			1,792	6,632	2, 173	5,758	2,612
Norway	4, 279	4, 312 j	5, 512	7, 585	11,667	3, 175	3,144
Poland and Danzig			1,155	1, 439	1,235	1,757	523
Portugal			403	373	316	1,154	324
Rumania			2,977	1,133		154	145
Russia			194	507	775	513	10
Spain.			3, 600	4, 547	2,086	8,108	1,885
Sweden	14,009	7,310	11,825	17,762	14, 264	7,740	8,429
Switzerland			168	1.464	155	324	304
Turkey			341		143	142	165
Yugoslavia			79	1	18		13
Canada		705	931	712	198	1,864	1,554
Mexico.			2,168	404	187	,	313
Newfoundland and Labrador		;)	125	359		3	
United States	12.506	4, 833	2,215	5,638	203	1,855	746
Costa Rica.			345	391	392	388	24
Guatemala.			20	54	27		7
Nicaragua.					179	27	282
Panama	1		106				17
Salvador			274	286	197		2
Jamaica			37	266		6	29
Trinidad and Tobago			369	270		148	80
Other British West Indies				131	764	64	48
Cuba.			49	101	101		10
Netherland West Indies			40	67		}	
Argentina.	19 510	21,670	12.527	16.815	10,915	6, 721	31, 638
Bolivia	14,019	21,010	282	215	10, 915	0,721	
	4,632	1.284	2. 082	4, 787	2 400	710	32
Brazil British Guiana		1,284			3, 462	712	101
			462	42	62	5	14 201
Chile	6, 069	4, 841	1, 250	3, 175	2, 515	775	14, 891

UNITED KINGDOM EXPORTS OF RUBBER BELTING, BY COUNTRIES, DURING THE CALENDAR YEARS 1925-1931-Continued

Country of destination	1925	1926	1927	1928	1929	1930	1931
Colombia			£52	£150	£255	£211	£73
Ecuador Falkland Islands			86		19	•••••	32
Paraguay				49	48	86	27
Peru	_ £374	£2, 115	236	253	405	150	391
Surinam			115		055		
Uruguay Venezuela	•		69 38	212 76	855 124	1,475	229 100
Aden	·			684	8		9
Cyprus Island			370	155	348	932	127
Iraq Palestine	• • • • • • • • • • • •		120 122	37 105		16	·····í7
Persia			13		215		814
Syria.			10				
British India British Borneo	- 30, 749	25, 128	27,881	34, 030	27, 714	22, 171	16, 107
British Malaya			1, 188	2, 479	2,967	422	3, 157
Ceylon			872	1, 163	39	145	176
China.		313	140	69	39 21	5, 334	782
French Indo-China Hong Kong			430 488	$1,109 \\ 505$	21 56	576	99
Japan and Chosen.			234	550	290	921	119
Netherland India			2, 544	3, 181	2, 270	1, 457	684
Philippine Islands Portuguese India			243	137 144		;	93
Siam.			365	596	599	890	139
Australia	3, 260	4,079	2, 836	2,805	3,064	148	277
Fiji Islands			8			1.075	
Other British Oceania		9,426	8, 207	6, 963	4,973	1,075 5,857	33 5, 271
Algeria			38	2		214	5
Anglo-Egyptian Sudan			223	493	53	301	70
Belgian Congo British East Africa:			93	142	810	184	
Kenya and Uganda			1.028	2,977	1,603	707	942
Tanganyika and Nyasaland			232	279	385	75	159
Zanzibar and Pemba Mauritius and Sevenelles			529	566	$113 \\ 1,827$	366	6 234
British South Africa		26, 059	38, 572	49, 403	52, 535	46, 807	36. 972
British West Africa:				,			
Gold Coast and Togoland			219	1,751	882	1,099	768
Nigeria and Cameroons. Other British West Africa.			492 2	1, 470 39	194	100	540 17
Canary Islands.			56^{2}	33		23	6
Egypt			143	424	268	235	516
French West Africa			116		149		
Morocco					149		14
Mozambique			1,548	2, 281	2,169	5, 090	1, 159
Portuguese West Africa				11	15		
Italian Africa				16		2	17
Tunisia.			334			447	29
Puerto Rico				137	14		
Other foreign countries		15,118 10,265					!
other british countries	7, 400	10, 200					
Total	191, 992	169, 831	158, 829	220, 991	174, 229	159, 331	154, 889

VALUE-Continued

The United Kingdom continues to dominate the world's export trade in textile belting. In 1923 it furnished 67.7 per cent of the total; in 1925, 61.3; and in 1930, 62.3 per cent. Through 1923 British statistics for cotton belting were combined with those of woven hair. The two tables following show British exports of hair and cotton belting from 1927 to 1931, in the detail published in the official annual trade reports. The hundredweight (cwt.) is equivalent to 112 pounds.

In 1922 India was the largest market for British textile belting, Bombay alone taking 4,777 hundredweights. Argentina was second,

followed by the United States, Finland, France, Russia, China, and Australia in that order. By 1930 India was still the largest textile market; but in cotton belting Finland was second, the United States third, Argentina fourth, and Ceylon fifth. For woven-hair belting in 1930, Egypt was second, British Malaya third, Java fourth, and Canada fifth.

UNITED KINGDOM EXPORTS OF WOVEN-HAIR BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1927-1931

	Quantity						Value												
Country of destination	19	27	19	28	19	29	193	30	1931	19	27	19	28	19	29	19	30	19	31
Finland	Cı	ot. 326		ct. 247		rt. 204	Cu	: <i>t.</i> 71	Cut. 62	£5.	997	£4.	971	£3,	982	£1.	279	£1,	003
France Norway		471 372 501		312 313 445		221 388 730		203 337 404	153 183 286	5 7, 6,	216 171 394	5, 5,	680 262 189	4, 6,	734 584 553	4, 4,	321 849 873	2,	541 813 969
Sweden Java Other Netherland India		970 422	1, 1,	208 616	1,	287 599		906 385	368 (3 12, 5 4,	871 463	17, 14,	095 967	18, 5,	134 607	12,	942 043	4,	84) 83
Argentina Siam Egypt	1,	479 342 690	1, 1,	409 013 565	1,	317 542 872		158 567 242	120 390 44	18 12	232 818 534	14,	880 739 444	7,	405 999 203	7,	807 586 053	5,	070 150 069
Other foreign countries Total to foreign countries	4,	369 942		690 818	<u> </u>	507 667		498 771	1, 699 3, 724		921 617		084 311		127		007 760	26 ,	158 706
Canada British India	<u> </u>	709	====	558 414	<u> </u>	664 814		597 337	38	5 15,	260	10,	368	12,	611	11.	383		419
British South Africa British Malaya	2,	362 201	2,	$\frac{166}{287}$	2,	222 135		231 931	203 310	5 7, 39,	771 498	3, 39,	835 165	4, 38,	573 506	5, 16,	037 758	3, 4,	434 939
Ceylon Australia Other British countries		587 606 793		648 847 193	1	709 827 579		526 218 215	394 71 1, 004	12	650	12, 16, 19,	766	15,	993 240 479	4,	521 079 621	Ĩ,	72 18 91
Total to British countries	14,	648	16,	113	15,	950	10, 1	555	6, 92	266,	626	271,	380	272,	863	179,	677		92
Total	24,	590	27,	931	27,	617	18, 3	326	10, 64	5 429,	243	460,	691	462,	191	302,	437	154,	63

UNITED KINGDOM EXPORTS OF COTTON BELTING TO FOREIGN COUNTRIES DURING THE CALENDAR YEARS 1927–1931

		Ģ	uantit	у		Value						
Country of destination	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931		
Finland Netherland India United States Argentina Other foreign countries	Cwt. 2, 835 590 2, 677 1, 986 3, 806	1, 915 255 2, 120 2, 577	2, 294 330 2, 330 1, 486	268 861 743	71 538 113	8, 872	4,718	5, 801 35, 158	5, 585 12, 276 9, 905	£3,360 1, 184 6, 679 1, 598 20, 857		
Total to foreign coun- tries	11, 894	10, 808	10, 538	5, 960	2, 845	153, 160	153, 507	143, 342	79, 756	33, 678		
Canada British India Ceylon Other British countries	413 7, 987 565 1, 679	6, 674 397	6,002	3, 791 398	2, 695 145	104, 326 9, 735	87, 161		46, 876 6, 257	2, 696 29, 924 2, 286 10, 477		
Total to British coun- tries	10, 644	9, 023	8, 644	5, 572	3, 832	147, 441	126, 342	117, 255	72, 983	45, 383		
Total	22, 538	19, 831	19, 182	11, 532	6, 677	300, 601	279, 849	260, 597	152, 739	79, 0 61		

The following table shows British exports of "other sorts" of belting, a category brought out only in the last two years. It consists of belting other than leather, cotton, woven hair, balata, rubber, and canvas.

BRITISH EXPORTS OF "OTHER SORTS" OF BELTING

[Other than leather, cotton, woven hair, balata, and rubber and canvas]

	193	0	193	1
Country of destination	Quantity	Value	Quantity	Value
	Cut.		Cwt.	
inland		6101	153	£2, 00
stonia	13	£181	12	8 18
weden	201	2,666	216	2, 1
orway	91	1,038	58	58
eland	1	5		
enmark	76 30	1, 024 506	23 12	3. 18
ermany	202	2, 448	36	3
etherlands	56	788	87	70
imatra ve	19 7	524 199	7	10
utch Borneo.	128	1,068		
elgium	23	484	28	3
elgian Congo			7	1
ance	215 3	3, 982 60	102	1, 7
/ria	1	14		
ench Indo-China	16	233	3	
vitzerland	4	68	6	1
ortugal ortuguese East Africa	5 6	$\begin{array}{c} 76 \\ 112 \end{array}$	$\frac{12}{7}$	1
ortuguese West Africa	Ů	112	8	-
ortuguese India	45	846		
pain anary Islands	59	721	50	6
aly	50	1, 104	50	9
ustria.	3	74	12	ĭ
ungary		2	2	
zechoslovakia	24	360	3	
reece umania	5 · 11	88 210	49	8
urkey				
gypt	22	248	2	
lorocco	1	15 7		
iam	15	179	17	2
aq			1.	
hina	28	379	83	8
nited States	10 439	250 7, 380	7 355	1 4.9
1exico	6	141	43	4
alvador			1	
olombia	1 2	15 27		
enezuela	$\frac{1}{2}$	33	44	5
eru		5	8	Ĭ
hile	64	768		
razil ruguay	32 4	708 98	8	1
rgentina	433	5, 392	106	2, 1
araguay	7	126		
rish Free State	293	4,458	132	2, 5
hannel Islands	62 3	1, 010 51	35	(
alestine	8	225	3	
fold Coast	33	476	8	
Jigeria Jnion of South Africa	1	30 6, 276	1	4
outh West Africa	610	0, 210	471 2	4, 1
Jorthern Rhodesia	7	87	1	
outhern Rhodesia			55	:
witzerland anganyika	631 10	6.587 224	3	
anzibar		8		
Cenya	17	409	29	
Jrganda Protectorate	2	33		
Jyasalandudan	1 6	19 128		
Aguritius	12	296		
ndia:	000	F 100		•
Bombay Madras	330 114	5, 566	218 31	3, 4
Bengal		2,046 7,067	124	2,
Burma	53	1, 149	61 26	1,
Straits Settlements	3	53		

BRITISH EXPORTS OF "OTHER SORTS" OF BELTING--Continued

	193	0	193	1
Country of destination	Quantity	Value	Quantity	Value
Ceylon Hong Kong Australia. New Zealand Canade. Bermuda Jamaica	124 30 76 97 2	£285 1, 166 329 1, 138 1, 705 46 303	Cwt. 30 106 3 29 11	£655 921 87 331 252
Jamaica. Trinidad. British Guiana. Falkland Islands.		303 140 36	7 4 2	152 83 41
Total	4, 726	69, 795	3, 068	42, 363

[Other than leather, cotton, woven hair, and rubber and canvas]

GERMANY

The German belting industry is more like the British than that of the United States, in that it is common for important manufacturers to produce several classes of belting rather than to specialize on a single class. The total number of German manufacturers of any class of belting can not be stated. Among companies advertising in trade periodicals, 1 made nearly all classes of belting, including rubber, balata, leather, and hair; 1 made leather, hair, and cotton; 1 leather and balata; 6 made both hair and cotton; 6 made balata belting only; 4 made rubber only; 7 made leather only; 1 specialized in hair; and 1 confined itself to cotton belting. Similarly to the British industry, a large number of the manufacturers produce balata and rubber belting, and a large percentage produce woven hair belting.

The industry produces belting of all types for transmission, conveyor, and elevator service. In 1912 and 1913 Germany held second place among nations competing in the international trade in belting. Pre-war German-made belting had an excellent reputation for quality all over the world. Its export trade ceased utterly with the outbreak of the war, and after its close in 1918 German manufacturers were for some time occupied with replenishing supplies of raw materials, supplying the accumulated domestic needs, installing new equipment in their factories, and renewing contacts with foreign merchants. In 1920 German-made belting reappeared in export trade but the volume of exports was very small that year. During 1921, 1922, and the first half of 1923 there was a steady and rapid increase in the trade, but with the establishment of a stable currency in Germany export trade became less profitable, and increasingly difficult to meet price competition. The 1924 exports were lower than those of the year before, dropping to 3,079,340 pounds, but from then on yearly increases were quite regular until exports of 3,687,512 pounds were reached in 1929. This is about half the pre-war figure, but 1930 and 1931 registered successive declines from this level. The following statement shows total German exports of belting by weight for 1912 and 1913, and 1920 through 1931.

125759-32-4

TOTAL GERMAN EXPORTS OF BELTING (INCLUDES WOVEN HAIR AND COTTON, LEATHER, AND BALATA AND RUBBER BELTING)

Pounds	Pounds	Pounds
1913 7, 250, 718 1920 624, 800 1921 1, 556, 500	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	29 3, 687, 512 30 30 2, 942, 340 340

Three classes of belting are reported in German official trade returns: Woven hair and cotton belting, leather belting, and balata and rubber belting. In the table following, the officially reported statistics of belting are shown for 1912, 1919, and 1922 to 1931, inclusive. The figure separated for leather belting in 1920 is likewise official; leather belting for 1921 is an estimated figure based on official statistics for the last eight months of the year. Separate statistics for woven hair and cotton belting and rubber and balata belting were not reported in 1920 or 1921, these products being included under general classifications; the figures for exports of the classes are, therefore, estimates. The values are shown only for pre-war years, and since 1923; for other years available value statistics are meaningless. The statistics are officially reported by net weight in units of metric quintals; the pound is used in this table.

Y	Woven hair	r and cotton	Lea	ther	Balata and rubber		
Year	Quantity	Value	Quantity	Value	Quantity	Value	
	Pounds		Pounds		Pounds		
912		\$1, 116, 960	1, 989, 771	\$1, 521, 360	1, 910, 647	\$887, 28	
913		1,203,600	2,040,022	1, 688, 160	1,651,236	740.88	
920			74,800	· · · · · · · · · · · · · · · · · · ·	i 110, 000		
921	1 990, 000		1 236, 500		1 330, 000		
922			546, 260		642, 400		
23	1, 887, 600		671, 880		849, 640		
24	1,949,420	865, 844	603, 460	473, 620	526, 460	308, 2	
25	2, 067, 120	1, 051, 960	506, 660	512, 414	701, 360	453, 8	
26	2, 045, 560	1,007,930	546, 920	525, 266	727, 540	499, 5	
27	1, 980, 735	942, 956	508, 463	506, 226	973, 727	617,6	
28	1, 669, 750	827, 526	673, 542	722,806	1,030,590	620, 4	
29	1, 761, 657	863, 464	720, 928	758, 506	1, 204, 927	731, 3	
30		577, 388	468, 570	453, 866	1, 229, 612	661,44	
31	939, 123	381, 038	341, 841	284, 173	671, 998	332, 0	

ANNUAL EXPORTS OF BELTING FROM GERMANY

1 Estimated.

Before the World War, hair and cotton belting made up nearly half of the German exports, 49.1 per cent in 1913; leather amounted to a little more than a quarter, or 28.1 per cent, and rubber and balata 22.8 per cent. Hair and cotton increased proportionally until in 1924 and 1925 it was over 63 per cent of German belting exports. By 1931 it had fallen away to 34.5 per cent, leather belting had dropped to 17.5, while rubber and balata had become the most important class of German belting exports, amounting to 48 per cent of the total. The accompanying table shows the percentages of German belting exports supplied by the three classes from 1922 to 1931; from Germany, as from the United States and the United Kingdom, rubber belting

exports have gained in importance at the expense of other classes. Leather belting exports accounted for about one-sixth of total German belting exports in 1930 and 1931, the same as in the case of exports from the United Kingdom. Evidently the decline in British exports of hair and cotton belting was not offset by increased German exports of those classes; it is certain that rubber belting is, therefore, replacing other classes pretty generally in international trade.

Percentage of German Belting Exports Supplied by the Three Classes From 1922 to 1931

Year	Rubber and balata	Leather	Hair and cotton	Year	Rubber and balata	Leather	Hair and cotton
1913	22. 8 21. 3 25. 1 17. 1 21. 4 21. 9	28. 1 18. 1 19. 6 19. 6 15. 5 16. 5	49. 1 60. 6 55. 3 63. 3 63. 1 61. 6	1927 1928 1929 1930 1931	28. 1 30. 5 32. 7 41. 7 48. 0	14. 7 19. 9 19. 5 15. 9 17. 5	57. 2 49. 5 47. 8 42. 3 34. 5

The average value per pound for German exports of all classes of belting, except woven hair and cotton, is higher than before the war. Leather belting has increased slightly in price since 1912, balata and rubber has increased noticeably, while woven hair and cotton has dropped below the pre-war level. The following table shows the average values per pound for 1912, 1913, and 1924 to 1931.

AVERAGE VALUE, PER POUND, FOR GERMAN EXPORTS OF DIFFERENT CLASSES OF BELTING

Year	Rubber and balata	Leather	Woven bair and cotton	Year	Rubber and balata	Leather	Woven hair and cotton
1912	\$0. 33	\$0. 764	\$0. 464	1927	\$0. 634	\$0.996	\$0. 476
1913. 1924. 1925.	. 34 . 585 . 647	. 827 . 784 . 936	. 445 . 444 . 508	1928 1929 1930	. 602 . 607 . 538	1.073 1.052 .969	. 495 . 590 . 464
1926	. 686	. 960	. 492	1931	. 494	. 832	. 406

In 1924 British India was the largest market for German cotton and hair belting, Sweden second, and Rumania third. During 1931 the British East Indies was in first place, Egypt second, and Sweden third. The following table shows conditions in this trade by countries from 1925 to 1931.

GERMAN EXPORTS OF COTTON AND HAIR BELTING, BY COUNTRIES

	1	925	1	926	1	927	1	928
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
Austria Belgium and Luxembourg Bulgaria Czechoslovakia Denmark	Kilos 24, 200 13, 400 9, 500 6, 700	Marks 140,000 59,000 50,000 31,000	<i>Kilos</i> 17, 900 11, 100 9, 500 8, 200	Marks 107, 000 44, 000 50, 000 38, 000	<i>Kilos</i> 24, 200 17, 600 5, 300 15, 900	Marks 128,000 68,000 21,000 83,000	<i>Kilos</i> 23, 800 21, 100 14, 700 15, 900	Marks 140, 000 92, 000 55, 000 88, 000
Finland. France. Greece. Hungary. Italy. Latvia. Lithuania.	4, 100 2, 800 24, 300 11, 100 28, 000 3, 400 2, 300	19,000 15,000 110,000 59,000 134,000 18,000 15,000	4, 400 5, 600 12, 500 7, 800 20, 700 5, 900 4, 500	29,000 33,000 62,000 42,000 108,000 31,000 20,000	5, 300 7, 800 24, 600 11, 000 10, 400 4, 400 8, 800	31,000 40,000 102,000 55,000 58,000 18,000 42,000	4,900 9,200 30,900 8,600 9,700 4,600 7,500	24,000 49,000 127,000 43,000 53,000 23,000 39,000
Netherlands East Poland and Danzig Poland and Danzig Polish Upper Silesia West Poland Portugal. Rumania	40,600	101,000 169,000 61,000 107,000 50,000 21,000 196,000	26, 500 42, 700 9, 900 16, 300 7, 000 6, 800 5, 700	121,000 225,000 45,000 123,000 36,000 34,000 28,000	27, 100 150,000 52, 200	125, 000 767, 000 243, 000	18, 500 81, 000 26, 500	81, 000 439, 000 135, 000
Spain Sweden Switzerland. Turkey United Kingdom. Yugoslavia. Mexico.	67, 300 6, 500 10, 900 18, 000	85,000 355,000 33,000 46,000 89,000 59,000 50,000	8, 900 68, 700 4, 800 4, 600 7, 900 7, 400 7, 600	43, 000 336, 000 22, 000 23, 000 40, 000 34, 000 32, 000	76, 100 3, 600 5, 200 5, 600 5, 400 6, 800	331, 000 21, 000 21, 000 27, 000 26, 000 34, 000	48, 600 5, 300 10, 800 7, 800 15, 600 5, 400	229, 000 27, 000 42, 000 39, 000 78, 000 23, 000
Argentina Brazil. Chile Uruguay British East Indies British Malaya	35, 900 226, 300	231, 000 76, 000 159, 000 844, 000 4, 000	12, 200 14, 100 28, 600 214, 200 7, 500	60, 000 63, 000 114, 000 773, 000 42, 000	15, 700 8, 600 34, 300 6, 500 78, 700 163, 800	69,000 39,000 138,000 28,000 311,000 612,000	47, 300 10, 400 25, 300 4, 800 117, 000	207, 000 55, 000 99, 000 22, 000 433, 000
China. Netherland East Indies. Siam Other Asia. Egypt. All others.	20, 700 57, 700 10, 800 73, 000	4,000 84,000 255,000 49,000 362,000 284,000	1,300 44,300 77,100 10,700 101,400 86,800	42,000 166,000 353,000 48,000 493,000 417,000	12, 700 19, 700 4, 200 43, 800 40, 000	45, 000 85, 000 19, 000 188, 000 187, 000	5, 400 42, 900 24, 200 12, 000 60, 000 37, 900	25, 000 178, 000 117, 000 52, 000 271, 000 192, 000
Total	939, 600	4, 420, 000	929, 800	4, 235, 000	895, 700	3, 962, 000	757, 600	3, 477, 000

	19	29	19	30	19	31
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
	Kilos	Marks	Kilos	Marks	Kilos	Marks
Austria	20, 300	118,000	13,600	64,000	11,300	51,000
Belgium and Luxembourg	14,400	58,000	10,000	44,000	11, 400	39, 000
Bulgaria	12,600	56,000				
Czechoslovakia	14,800	85,000	8,500	46,000	6,500	30, 000
Denmark		24,000				·
Finland					3, 100	15,000
France.	24, 100	92, 000	17,800	82,000	3, 200	13,000
Saar	8,700	48,000	7,200	34, 000	5,100	18,000
Greece	31,000	124,000	10,700	38, 000	14,600	47,000
Hungary	8,600	42,000	7,100	36,000	7,600	30,000
Italy		96, 000	1,100	97, 000	6, 300	30, 000
Latvia.		27,000	5,400	23,000		
Lithuania		49,000	9,700	45,000	9,900	33, 000
Netherlands	36, 400	163,000	24,600	101,000	22, 200	78,000
Norway	2,400	25,000	4,100	29,000		
East Poland				,		
Poland and Danzig		0.07 0.00	00.000	114,000	9, 500	42,000
Polish Upper Silesia		307,000	20,000	114,000	9,000	42,000
West Poland			1			
Portugal	5,400	24,000	3,600	19,000		
Rumania		129,000	8,500	47,000		
Sweden		166,000	28,100	133, 000	28,900	111,000
Switzerland	7,100	37,000	3,100	19,000	2,600	13, 000
Turkey		35,000	2,900	13,000		
United Kingdom		39,000	8,000	39,000		
Yugoslavia.		59,000	9,100	43,000	6,200	23, 000
Mexico		35,000	4, 100	20, 000		• • • • • • • • • • • • • • •
Argentina		149,000	11,700	55,000	8,800	34, 000
Brazil		73,000		21,000	4,400	13, 000

	1	929	1	930	19	31
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
Chile	Kilos 32, 000 10, 400	Marks 127,000	Kilos 29, 500	Marks 99, 000	Kilos	Marks
Uruguay. British East Indies British India	173, 400	46, 000 654, 000	126, 400	468, 000	30, 200 124, 500	120,000 421,000
China Netherland East Indies Mandate of German West Africa	20, 000 37, 800	75, 000 183, 000	12, 500 54, 900 4, 300	46, 000 226, 000 24, 000	10, 100	36, 000
Siam Other Asia Egypt	22, 900 17, 100 37, 700	109, 000 76, 000 166, 000	11, 400 11, 500 57, 600	56, 000 46, 000 238, 000	7, 800 11, 900	28, 000 44, 000
All others	27, 500	122,000	32, 400	61, 000	80, 000	342, 000
Total	799, 300	3, 628, 000	564, 500	2, 426, 000	426, 100	1, 601, 000

GERMAN EXPORTS OF COTTON AND HAIR BELTING, BY COUNTRIES-Continued

Prior to 1925 German statistics covering rubber-belting exports are not in detail, and do not give any information regarding the countries of destination. In 1930 Czechoslovakia was the largest consumer of this German product, followed by France and Sweden. For 1931 the Netherlands had moved into first place, followed by Sweden, Switzerland, and Czechoslovakia. The following table shows German exports of rubber belting by countries; its share of the world trade in rubber and balata belting was 1.4 per cent in 1920, 6.5 per cent in 1925, and 9.9 per cent in 1930, showing a steady rate of growth.

GERMAN EXPORTS OF RUBBER AND BALATA BELTING, BY COUNTRIES

	1	925	1	1926	:	1927	1	928
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
	Kilos	Marks	Kilos	Marks	Kilos	Marks	Kilos	Marks
Denmark	17, 500	91,000	30, 500	145,000	41,800	199,000	47, 300	204,000
Estonia		27,000	17, 300	74,000	8, 100	49,000	8,500	55, 000
Finland	1, 300	8,000	1,500	9,000	4,000	4,000	3, 400	21,000
United Kingdom	51, 200	253,000	41,600	218,000	41,000	187,000	27, 400	150,000
Italy	13, 200	74,000	12, 200	77,000	16, 800	96, 000	16,900	107,000
Latvia	7,800	46,000	8,600	54,000	10, 400	60,000	10, 700	56,000
Netherlands	13,600	79,000	13,800	87,000	18,400	93,000	19.700	108,000
Austria Poland and Danzig	14, 100 30, 600	98,000	15,400	115,000	15, 500	103,000	20, 200	143,000
Poland and Danzig	6,200	196,000	28,600 5,400	228,000 42,000	57,300	361,000	53,900	345,000
Rumania Union of Socialist Soviet Re-	0,200	30,000	0,400	42,000	7,000	58,000	15, 100	104, 000
publics	4, 200	29,000			6,000	21,000	43,600	174,000
Sweden	32, 800	172,000	37,600	231,000	38, 300	225,000	28,700	171,000
Switzerland	8,000	48,000	12,400	69,000	12,800	62,000	10,800	63,000
Czechoslovakia	10,100	70,000	12, 300	86,000	28, 400	149,000	32,900	169.000
Hingary	600	4.000	1,400	11,000	3, 300	23,000	5,500	39,000
Hungary Mandate of German South	1 000	1,000	1, 100	11,000	, .,	20,000	0,000	00,000
West Africa	i 4,200	32,000	5,700	39,000	6, 100	44,000	1	1
British India			1,400	10,000	6,600	43,000	6,300	38,000
Turkey	1,200	7,000	1,900	14,000	4,000	20,000		
Argentina		48,000	3, 800	22,000	16, 300	108,000	13,600	78,000
Brazil	13,800	79,000	11, 400	79,000	21, 800	138,000	12,600	75,000
Chile		16,000	4,200	26, 000	6, 800	34,000	5, 100	28,000
Bolivia			4,700	32,000	2,600	16,000	4,600	30, 000
Colombia	1,400	8,000	2,200	13,000	4,000	18,000		
Guatemala	5,200	32,000 57,000	5,000	28,000	5,400	28,000	4,100	24,000
Mexico	17,400	124,000	8,000	61,000 118,000	6, 300 21, 300	39,000	4, 200	33, 000
United States Belgium and Luxembourg	11,000	124,000	18, 100	1.000	21, 300	137,000	6, 200	
Bulgaria			2,800	17,000	3,400	13,000	3,900	31, 000 22, 000
France				3,000	400	3,000	20,600	74,000
Yugoslavia			1.900	13,000	2,400	16,000	4.000	25,000
Lithuania			2, 400	16,000	2,700	17,000	5, 100	32,000
China			300	3,000	3, 100	16,000	3,500	20,000
China All other	41,700	250,000	17,800	158,000	17,000	198,000	32, 200	188,000
				·	· ·	<u> </u>		
Total	318,800	1, 907, 000	330, 700	2, 699, 000	441.800	2, 595, 000	467.600	2,607,000

	1	929	1	930	19	31
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
	Kilos	Marks	Kilos	Marks	Kilos	Marks
Denmark	38, 800	161,000	33, 100	128,000	17, 300	55, 000
Estonia.	8,200	50,000	7,500	35,000		,
United Kingdom	35, 500	181,000			4,600	22,000
Italy	15, 300	107,000	21,700	123,000	16, 500	76,000
Latvia	13.400	74.000	9,500	48,000	7,400	35, 000
Netherlands	27,900	156.000	46.500	231,000	28, 100	119,000
Norway	4,700	26,000	6,000	31,000		,
Austria	21, 300	141,000	18, 500	117,000	12,700	56,000
Poland and Danzig	46, 200	229,000	25, 500	160,000	11, 200	65,000
Portugal	3, 500	20,000	2,700	14,000	,	
Rumania	10,700	55,000	27, 200	123,000	4.600	24.000
Union of Socialist Soviet Republics.	24,600	126,000	2,800	11,000	11, 500	33, 000
Sweden	30, 100	177,000	38, 400	198,000	26,800	115,000
Switzerland	15,800	97,000	16,400	92,000	22,000	98,000
Spain.	5,600	34,000	5, 300	30,000		,
Czechoslovakia	53, 600	286,000	66, 100	290,000	20, 500	99,000
Hungary	11,000	71,000	11,600	71,000	9,800	46,000
Hungary Mandate of German South West		,	,	,	-,	,
Africa	5, 300	35,000	3, 200	22,000		
British India.	19,600	103,000	12, 100	59,000	6,900	32.000
Egypt	3,400	23,000	3, 500	21,000	2,700	15,000
Netherland India	3,000	21,000		- ,]		
Argentina	18,400	107,000	31,900	131.000	6,400	32,000
Brazil	21, 200	122,000	8, 300	44,000	4,500	25,000
Chile	16,600	100,000	10, 500	55,000	2,800	13,000
Bolivia	3.400	20,000	,	,	_,	
Guatemala	5, 800	33,000		(
Uruguay	5, 200	28,000				
Mexico	5,000	25,000	3,000	15,000	3,900	22,000
Belgium and Luxembourg	3, 600	20, 000	9,300	49,000	4.300	22,000
Bulgaria	4, 200	24,000	1,500	11,000	,	
France	10,700	52,000	45,900	199,000	15, 100	65,000
Yugoslavia	,	,	7,200	42,000		
Lithuania	8,400	45,000	13, 500	63,000	10,800	51,000
China.	.,	,	5,400	24,000	10, 400	36,000
Other Asia			1,900	12,000		
Saar	12,400	66,000	16,700	82,000	6,800	29.000
Greece.	4, 300	24,000		, - 50	4,000	29,000
All other	30, 000	134, 000	45, 200	248, 000	33, 000	181, 000
Total	546, 700	3, 073, 000	557, 900	2, 779, 000	304, 900	1, 395, 000

GERMAN EXPORTS OF RUBBER AND BALATA BELTING, BY COUNTRIES-Contd.

In 1924 Germany sent Sweden 67,700 kilos of leather belting, China 21,800, Rumania 20,900, and Bulgaria 19,800. By 1931 China had moved into the position of largest consumer, Italy was second, followed by Turkey and the British East Indies. The table following shows the German exports of leather belting, by countries, in 1924, 1930, and 1931. In 1920 Germany's share of the world trade was 0.9 per cent, in 1925 6.5, and in 1930 7.6 per cent.

German	Exports	OF	LEATHER	BELTING,	ВY	COUNTRIES
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	l I	925	1926		1927		19	928
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
	Kilos	Marks	Kilos	Marks	Kilos	Marks	Kilos	Marks
Belgium	2, 200	13,000	3, 700	31,000				
Bulgaria	16, 100	133, 000	16, 500	128,000	17, 300	128, 000	31, 400	269,000
Denmark	4,500	41, 000	4,800	40,000				
Estonia	1,100	10, 000	3,500	31, 000	5, 500-	47,000	5, 300	45,000
Finland	3, 300	32,000	5,400	51,000	1,800	19,000	4,800	45,000
Greece	7,800	72,000	6,600	52,000	8,600	73,000	12,300	119,000
Italy	7, 300	65,000	5,000	46,000	5,900	60,000	7,600	103,000
Yugoslavia	1,200	15,000	3,400	32,000	2,200	23,000	3,200	35,000
Latvia.	1,900	17,000	3,400	29,000	2,700	21,000	2,800	29,000
Lithuania	4,500	41,000	2,700	25,000	6,200	56,000	7,700	79,000
Netherlands	4,500	47,000	4,700	44,000	7,400	68,000	7,000	84,000
Austria		26,000	2,800	28,000	4, 100	41,000	3,800	45,000
Poland and Danzig		115,000	14,100	164,000	23, 700	241,000	24, 100	27,600
Rumania		18,000	37,000	41,000	6,600	68,000	4, 300	49,000

GERMAN EXPORTS OF LEATHER BELTING, BY COUNTRIES-Continued

	1925		1926		1	927	1	928
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
Union of Socialist Soviet Re-	Kilos	Marks	Kilos	Marks	Kilos	Marks	Kilos	Marks
publics	3, 700	35,000	4, 300	45, 000	8, 100	78,000	4,900	52,00
weden	23, 500	212,000	10,700	97,000	6,700	69,000	9,100	95,00
Switzerland	2,200	26,000	6,400	52,000	5,100	49,000	6,100	60,00
Czechoslovakia	4,000	45,000 19,000	5,200 4,600	53,000	9,700	118,000	9,500 9,900	125, 0 80, 0
Egypt Mandate of German South	2, 400	19,000	4,000	37,000	3, 700	31, 000	9,900	00,0
West Africa	200	2,000	1, 900	23,000	1, 300	16,000	1, 500	25,0
Portuguese East Africa		2,000	2,800	23,000	1,000	10,000	1,000	20,0
British India	12 100	107.000	6, 500	58,000	4,900	48,000	4, 100	39,0
China	28, 500	228,000	41,800	324,000	27, 500	225,000	55, 700	474,0
apan	400	5,000	8,200	93,000	2,600	22,000	2,800	30, 0
Persia	700	7,000	4,400	37,000				·
Furkey	24, 500	212,000	18,900	153,000	20,600	163,000	17, 700	147,0
Argentina	6,000	57,000	11,400	104,000	4, 500	36,000	9,300	10,0
Brazil		38,000	9,000	90, 000	2,400	24,000	2,000	20,0
Chile	6, 700	65,000	5, 500	54,000	5, 600	49,000	6, 900	68, 0
Colombia	1,300	10,000	4, 500	34,000	3, 800	32,000	4,200	45,0
Mexico	11,000	10, 500	2,100	21,000	3,800	35,000	13, 100	34,0
United Kingdom			1,500	19,000	3,000 1.400	32,000	2,200 2,100	25,0 23,0
Dutch East Indies]]	2,300	18,000 20,000	3, 200	39,0
Palestine					2,300	18,000	6,900	66.0
All other	31, 100	429, 500	20,200	148,000	19,500	199,000	20, 100	650, 4
		2, 153, 000	·		<u> </u>			3. 037. 0

	19	929	19	930	19	31
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
· · · · · · · · · · · · · · · · · · ·	Kilos	Marks	Kilos	Marks	Kilos	Marks
Bulgaria	26,800	249,000	2,400	22,000	8, 100	51,000
Denmark	4, 300	43,000	4,400	39,000	3,600	28,000
Estonia .	7,100	65,000	3,400	32,000	0,000	-0,000
Finland	2,400	27,000	1,900	21,000		
Greece	9,800	88,000	5, 300	42,000	4,600	29,00
Italy	23, 200	263,000	17, 500	188,000	10, 200	85,00
Yugoslavia	5, 500	58,000	2, 500	27,000	10, 200	30,00
Latvia	5.200	47,000	2,000	21,000	i	
Lithuania	8, 500	76,000	6,600	53,000	6, 800	56,00
Netherlands	6, 100	79,000	3,800		2,500	
Austria	1,700	20,000	3, 300	42,000	2, 500	19,00
Poland and Danzig	25, 900	311,000		29,000	3,000	18,00
Dumonio	4, 700	50,000	10, 300	99,000	3,700	33,00
Rumania Union of Socialist Soviet Republics	6, 100	64,000	3, 100	34, 000	1,300	15,00
Union of Socialist Soviet Republics.	11, 100				2,700	22,00
Sweden	9,000	102,000	14, 100	11, 200	6,400	46, 00
Switzerland	10, 700	84,000	6, 300	57,000	4,600	44,00
Czechoslovakia		123,000	6, 100	73,000	5, 700	47,00
Egypt	7,400	61,000	6, 400	48, 000	3,800	27,00
Mandate of German South West	1 500					
Africa.	1,500	23,000	2, 100	16, 000		
British India	4, 700 50, 400	47,000	7, 100	70,000	8, 500	57,00
China	25, 200	436,000	36, 400	27, 500	24, 200	15, 90
Turkey	25, 200	193,000	10,000	70,000	9,400	63,00
United States	2 000		2, 300	25, 000		
Argentina	3,000	34, 000	3, 400	36, 000	3, 100	29, 00
Brazil	5,100	54, 000				
Chile	10,000	85, 000	11, 100	90, 000	2, 900	20, 00
Colombia	4, 300	40, 000				
Cuba			2, 100	19, 000		
Mexico	3, 200	33, 000	5,800	54,000	4, 700	54, 00
British South Africa			1,600	14,000	1,900	18, 00
Netherland India	5,900	63, 000			3, 200	30, 00
Palestine	6, 500	54, 000	5, 300	38, 000	4,000	28,00
France	2, 600	24, 000			4,000	28,00
Hungary			2, 100	28,000		
Portugal	2,800	25, 000	1, 100	11,000		
Other Asia	3, 300	35, 000				
Philippines	·				1, 200	10, 00
Saar		/	700 (8,000	300	2,00
All other	23, 100	231,000	24, 100	583, 300	19, 900	319, 10
Total	327, 100	3, 187, 000	212, 600	1, 907, 000	155, 100	1, 194, 00

Germany's share of the total world belting exports increased sharply after 1919, being 2 per cent in 1920, 8.5 per cent in 1921, and 14.1 in 1922. Dropping to 12.8 in 1923 its share has remained at about that level, being 12.2 per cent in 1930.

FRANCE

France at the present time ranks third among nations competing in the export trade in belting, and has increased its share of the total world trade from 9 per cent in 1920 to 12.8 per cent in 1930. The French industry is strongest in the leather belting trade, but is perhaps becoming a more important factor in rubber belting in recent years. There is a small but growing trade in hair belting. No separate statistics are available to show the exports of other textile belting, but France is not an important competitor in woven cotton and stitched canvas belting. No figures are available for exports of rubber belting. However, exports of mechanical rubber goods are shown in kilos, and it is believed that 20 per cent of the total gross weight reported under this class may be a fair estimate of the amount of rubber belting exported.

The annual volume of belting exports from France is now much greater than in pre-war years, principally owing to gains made in the European leather belting trade at the expense of Germany and Great Britian. The following table shows total French belting exports, in pounds and kilos, for 1912 and 1913 and 1919 to 1931.

Year	Quar	ntity	Year	Quantity		
1 681	Kilos	Pounds		Kilos	Pounds	
1912 1913 1919 1920 1921 1922 1923 1924	773, 200 757, 900 802, 820 1, 221, 680 888, 660 800, 000 1, 028, 300 1, 379, 000	1, 704, 132 1, 670, 411 1, 769, 415 2, 692, 582 1, 958, 606 1, 763, 200 2, 266, 373 3, 039, 316	1925 1928 1927 1928 1929 1929 1930 1931	1, 232, 460 1, 620, 280 1, 357, 740 1, 478, 240 1, 817, 283 1, 607, 330 1, 248, 892	2, 716, 341 3, 571, 097 2, 942, 458 3, 258, 040 4, 005, 291 3, 542, 555 2, 752, 552	

TOTAL FRENCH EXPORTS OF BELTING, 1912 AND 1913 AND 1919 TO 1931

The French official trade statistics covering belting are less definite than for any other important belting-manufacturing country. As has been said, rubber belting exports have to be estimated from a class covering all mechanical rubber goods, such as belting, hose, packing, valves, washers, etc. Exports of leather belting are combined with certain other technical leather goods, in a single class, but since belting constitutes probably 80 per cent of the exports under this heading the statistics are fairly satisfactory. Exports of camel's hair belting are brought out in a definite class but there are no specific classifications covering cotton or other woven beltings. Added to these facts, the stated values of exports in the official French trade returns are not the invoice values, but are artificial arbitrary valuations set by the customs authorities and bear no relation to the actual selling price or real values of the products. Furthermore, the weights shown are gross weights. The unit of quantity used in the French statistics covering belting is the metric quintal, equal to 220.46 pounds or 100 kilos. For convenience the exports are stated in kilos. The table

following shows the officially reported exports of leather belting, etc., camel's hair belting, and mechanical rubber goods, the estimated volume of rubber belting exports being given in the final column.

Year	Lea	ther	Camel	i's hair	Mechanical rubber goods	Rubber belting ¹
	Quantity	Value	Quantity	Value	Quantity	Quantity
1912	432, 600 337, 100 756, 000 512, 000 486, 100 647, 200 865, 700 887, 800 1, 044, 300 786, 500 768, 200 853, 600	Francs 3, 890, 000 3, 902, 000 20, 110, 000 21, 888, 000 13, 854, 000 19, 921, 000 35, 220, 000 63, 315, 000 53, 051, 000 27, 732, 000 33, 733, 000 28, 118, 000 20, 170, 000	Kilos 13,900 11,400 98,300 42,800 36,400 50,600 70,600 76,800 76,800 86,700 86,700 62,400 91,000 105,300 75,200 62,400	Francs 47,000 39,000 1,336,000 1,197,000 495,000 1,013,000 1,525,000 2,058,000 2,352,000 2,352,000 2,352,000 3,058,000 3,579,000 2,595,000 1,818,000	Kilos 1, 641, 500 1, 659, 500 1, 337, 100 2, 114, 400 1, 701, 300 1, 711, 300 1, 516, 500 2, 886, 300 2, 444, 200 3, 965, 200 3, 732, 100 3, 391, 000 2, 334, 400	Kilos 328, 300 313, 900 367, 420 422, 880 340, 280 263, 300 310, 500 437, 260 4389, 280 508, 840 619, 040 858, 383 779, 930 618, 120

FRENCH EXPORTS OF BELTING

Estimated.

The percentage of French exports of belting supplied by the various classes has changed very little since before the war. In 1912 leather belting amounted to 55 per cent of the total, in 1930 it was 53. Corresponding figures for rubber belting are 42 and 40 per cent. Camel's hair belting has gained the losses of the other two classes, increasing from 1.8 to 5.7 per cent. The following table gives the percentage figures for 1912 and 1913 and 1920 through 1931.

PERCENTAGE OF FRENCH EXPORTS OF BELTING SUPPLIED BY EACH CLASS

Year	Leather	Camel's hair	Rubber	Year	Leather	Camel's hair	Rubber
1912	55, 7 57, 0 42, 0 61, 9 57, 6 60, 8 62, 9 62, 8	$ \begin{array}{r} 1.8 \\ 1.5 \\ 12.2 \\ 3.5 \\ 4.9 \\ 6.3 \\ 6.8 \\ 5.6 \\ \end{array} $	42. 5 41. 5 45. 8 34. 6 37. 5 32. 9 30. 3 31. 6	1925	60. 3 60. 8 57. 9 52. 0 47. 0 46. 8 45. 5	5.8 5.7 4.6 6.2 5.8 4.7 5.0	33, 9 33, 5 37, 5 41, 8 47, 2 48, 5 49, 5

During the past 10 years France has become the world's largest exporter of leather belting. In 1920 its share of world trade in this product was 2 per cent, by 1925 it was 21, and by 1930 was 26 per cent. In 1921 the United Kingdom was the largest market for French leather belting, taking 116,000 kilos, with Germany second and Belgium and Luxembourg third. In 1929 the latter market had risen to first place, taking 183,400 gross kilos. Algiers was next, and Italy third. The following table shows the trade by countries from 1925 to 1930. In 1925, French colonies accounted for only 15 per cent of the total exports, but in 1930 they took over 32 per cent of the total. The trade with foreign countries has shown a declining trend in recent years, even before the present depression in world trade.

Country of destination	1925	1926	1927	1928	1929	1930
	Kilos	Kilos	Kilos	Kilos	Kilos	Kilos
United Kingdom	145, 900	121,900	110, 500	63, 800	65, 500	48,900
Poland	7,800	70,000	11,800	17,000		89,000
Germany	34, 800	28,800	57,000	42, 100	48,700	30, 900
Belgium and Lusembourg	128,000	205,000	179, 400	175, 300	183, 400	135, 700
Switzerland	114, 500	90,200	55, 900	51,700	43,800	25, 300
Italy	13, 700	175, 300	53, 300	65,600	72,000	59, 100
Spain	32,800	35,000	16, 400	15,900	10,800	
Greece	16, 100	18,400	6,900	13, 700	15, 500	5, 500
Turkey	6,600	15,000	5,400	5, 200		
Portugal	8, 300	17, 500	16,400	9,700	12,600	7, 300
Egypt	26,800	19,400	9,900	19,400	23,000	20, 300
British Indies					9,000	39,000
United States		6, 100	11,400	5, 600	9,400	16,600
Mexico.	25, 500	23, 100	19, 100	20,600	27,400	51,600
Brazil	22, 200	17,000	16,600	10,700	12,800	6,500
Algiers	62, 100	67, 700	71,900	91,600	102,600	110, 400
Tunisia	19, 000	26,800	18,900	25, 100	46,000	24, 800
Morocco	14, 500	21,600	17,700	16,700	22,900	22, 100
French West Africa		13, 500	11, 600	14,500	17,400	18,800
Madagascar	5, 500	12,900	6,000	8,800	8,600	9, 500
Indo-China.	15,700	28,600	23, 300	29,700	38, 300	33, 200
Argentina	5,900	9,600				
Senegal	5,500					
Yugoslavia		12,400				
Yugoslavia Japan		5, 500				
Reunion		6, 200				
Other colonies	10,600	17, 200				
Other countries	41,000	42, 600	67, 100	65, 500	83, 400	75, 800
Total foreign	754, 900	849, 800	622,900	567, 100	599, 500	508, 300
Total colonies	132, 900	194, 500	163, 600	201, 100	254, 100	241, 900
Grand total	887, 800	1, 044, 300	786, 500	768, 200	853, 600	750, 200

FRENCH EXPORTS OF LEATHER BELTING, BY COUNTRIES, 1925-1930

French exports of camel's hair belting have more than doubled since 1921, rising from 36,400 gross kilos to 75,200 gross kilos in 1930. Its share of the world trade has increased from 1.6 to 3.7 per cent. In 1921 Rumania was the leading consumer, using 18,600 gross kilos, followed by Algiers and Indo-China. By 1929 Indo-China took 27,900 gross kilos, Algiers 24,900, and Morocco 11,600. The following table shows France's trade in this commodity by countries from 1925 to 1930.

FRENCH EXPORTS OF CAMEL'S HAIR BELTING, BY COUNTRIES

Country of destination	1925	1926	1927	1928	1929	1930
United Kingdom	Kilos 700	Kilos	Kilos	Kilos	Kilos	Kilos
Austria Italy	3, 100	1,000	2, 100	1,000 3,200	2,700	4,600
Rumania	14,900	17,600	4,400	8,600	6, 100	4,000
Greece		11,000	1, 100	0,000	4, 100	
Turkey					1,600	
Spain	4, 300				1, 400	1, 900
Egypt	2,400	1, 800	1, 300	1, 500	2, 800	1, 700
Brazil	8, 800	8,900	1,900	4, 100	1, 800	
Algiers	17, 100	10, 300	9,700	14,000	24, 900	15, 700
Tunisia	2, 900	6, 200	2, 900	3, 100	6, 800	6,000
Morocco	1, 400	2, 700	2, 600	1, 100	11, 600	10, 800
French Guiana				1,700		
Madagascar		2,400 .		3, 700	2,100	2,400
Indo-China		25, 300	23, 800	36,900	27, 900	20, 900
Reunion		2, 200	2,600	1,600	2, 300	1, 800 1, 300
Martinique		• • • • • • • • • •	1, 700	1, 800	2, 300	1, 300
New Caledonia	800	1,800	1, 500	1,000		
Mexico		1,000				
Netherlands	700		1,000 [
Relgium and Luxembourg	6, 200	1, 100				
Other foreign	3, 400	1,700	6, 300	7,600	9, 200	8, 100
Total foreign	45, 300	33, 900	16, 700	23, 200	25,600	13, 300
Other colonies	1, 300	3, 700	45, 700	67, 800	79, 700	61, 900
Total	82, 200	86, 700	62, 400	91,000	105, 300	75, 200

BELGIUM

Belgium is one of the strong competitors in the international belting trade, and its trade for a time grew in physical volume and in percentage of world total. In 1920 it supplied 3.4 per cent of the world belting trade; by 1928 that had risen to 5.8 but the following two years resulted in a decline from this level to 4.6 per cent in 1930, the decline being chiefly in leather belting exports.

Total Belgian exports of belting amounted to about 500,000 kilos a year before the war. This dropped to 261,000 kilos in 1921, climbed to 768,700 in 1929, and is now back a little below the pre-war level, as the following table shows.

Voor	Qua	ntity	N	Quantity		
Year	Kilos	Pounds	Year	Kilos	Pounds	
1912	533, 619 493, 521 464, 768 261, 261 371, 144 608, 796 554, 835	$\begin{array}{c} 1,173,961\\ 1,085,746\\ 1,022,489\\ 574,774\\ 816,516\\ 1,339,351\\ 1,220,637 \end{array}$	1925	651, 800 716, 600 742, 400 759, 500 768, 700 499, 100 442, 000	1, 433, 960 1, 576, 520 1, 633, 280 1, 670, 900 1, 691, 140 1, 098, 020 974, 168	

TOTAL EXPORTS OF BELTING FROM BELGIUM

Two classes of belting were listed in the official Belgian export statistics prior to November 9, 1924, namely "leather" and "other sorts" of belting. Since then statistics on exports of cotton, camel's hair, leather, and rubber and balata are available, and are shown in the following table:

EXPORTS OF BELTING FROM BELGIUM, BY CLASSES

				L	ather		Other s	orts	
	Year			Quantity	Val	ue Qu	antity	Value	
912				410, 158 286, 832 124, 796 235, 379	3, 46 8, 06 2, 97 4, 64 8, 13	7, 018 9, 723 2, 046 6, 004 4, 738 2, 145	Kilos 84, 925 83, 363 177, 936 136, 465 135, 765 285, 750 230, 992	Francs 371, 547 452, 362 4, 182, 298 2, 389, 239 2, 069, 856 5, 993, 176 6, 043, 091	
		ather		otton	<u> </u>	Hair		and balata	
Year	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	
1925	503, 100 503, 600 503, 400 278, 400	Francs 12, 529, 952 16, 722, 000 24, 325, 000 28, 438, 000 28, 191, 000 14, 804, 000 12, 136, 000	Kilos 32, 900 64, 900 57, 600 78, 200 65, 600 48, 200 43, 009	Francs 821,000 1,862,000 1,917,000 2,883,000 2,883,000 1,757,000 1,551,000	<i>Kilos</i> 28, 196 54, 700 66, 200 39, 800 56, 700 13, 800 9, 500	Francs 866, 428 1, 867, 000 2, 521, 000 1, 750, 000 2, 438, 000 639, 000 373, 000	150, 400 115, 500 137, 900 143, 000 158, 700	5, 278, 000 4, 558, 000 5, 732, 000 6, 375, 000 5, 515, 000	

Leather belting makes up the bulk of Belgian shipments, but is declining. Having amounted to over two-thirds of the total in 1925, it fell to 55.9 per cent in 1931. Both cotton and rubber and balata belting are becoming more important, but hair belting is losing ground.

PERCENTAGE OF BELGIAN BELTING EXPORTS SUPPLIED BY VARIOUS CLASSES OF BELTING

Year	Cotton	Camel's hair	Leather	Rubber and balata
1925	5.0	4.3	66. 9	23. 8
	10.0	7.6	62. 3	20. 1
	7.8	8.9	67. 7	15. 6
	10.3	5.2	66. 3	18. 2
	8.5	7.4	65. 4	18. 7
	9.7	2.8	55. 8	31. 8
	9.8	2.2	55. 9	32. 1

The United Kingdom took the largest amount of cotton belting from Belgium in 1930, while France, which previously was far the biggest buyer, had fallen to third place. France, however, is still in first place as a consumer of Belgian leather belting, replacing Germany in that field; while it also dominates the camel's hair belting trade. The Netherlands is the chief market for Belgian rubber and balata belting. The accompanying tables show the exports of these four classes of belting by countries from 1925 to 1930.

BELGIAN EXPORTS OF RUBBER AND BALATA BELTING, BY COUNTRIES

	19	25	1	926	1927	
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
Belgian Congo Denmark Spain		Francs 150, 000 145, 000	Kilos 7, 900	Francs 247,000	<i>Kilos</i> 4, 500 2, 800 1, 200	Francs 97,000 118,000 51,000
France. United Kingdom. Netherlands. Portugal Switzerland.	114, 000 2, 400 12, 900 2, 400	2, 865, 000 6, 400 421, 000 64, 000	60, 900 4, 000 23, 500 14, 500	2, 022, 000 143, 000 984, 000 333, 000	58, 300 7, 200 19, 600 3, 900 2, 300	2, 265, 000 191, 000 899, 000 147, 000 103, 000
Chile French West Africa Finland Irejand			3, 300 1, 800	80,000 106,000 62,000 155,000		
Italy Germany Canada			21, 500	980, 000	1,100 2,800 1,600	61, 000 145, 000 72, 000
Others		307,000	5,900	166, 000	10, 200	409,000
Total	154, 100	4, 016, 000	150, 400	3, 509, 000	115, 500	4, 558, 000

	1	928	1929		1930	
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
Belgian Congo	Kilos 7,400	Francs 258,000	Kilos 6,700	Francs 283,000	Kilos	Francs
Spain	3,400	150, 000	3,500	146,000		
France United Kingdom		2, 249, 000 294, 000	55, 500	2, 754, 000 205, 000	34, 500	1, 321, 000
Netherlands	38,800	1, 553, 000	42,600	1, 780, 000	106, 400	3, 473, 000
Portugal		150, 000	2,200	120,000		
Brazil			3, 300	136, 000		
Poland		303,000	3, 500	143, 000	1	
Italy Austria		97,000				
Germany	1,900	74,000				
United States		53,000 185,000	3,800	191.000		
Others.		366, 000	17, 100	617,000	17,800	721, 000
Total	137, 900	5, 732, 000	143, 000	6. 375, 000	158, 700	5, 515, 000

BELGIAN EXPORTS OF COTTON BELTING, BY COUNTRIES

		1925		1926	1	1927
Country of destination	Quan- tity	Value	Quan- tity	Value _.	Quan- tity	Value
Germany	Kilos	Francs	Kilos	Francs	Kilos 4, 300	Francs 141,000
France	. .		18, 600	508, 000	5,400	23,000
United Kingdom			3, 100 7, 400	133, 000 186, 000	5, 900 3, 900	26, 900 120, 000
Netherland India Italy	. 1,400	0 41,000	1,800	45,000	3,300	89,000
Netherlands Greece Rumania			10, 400 900	308, 000 23, 000	10, 500 2, 900 3, 800	398, 000 107, 000 99, 000
Bulgaria Lithuania			1, 400	28,000	1,700	85,000
United States Latvia			16, 100 1, 100	470, 000 40, 000	6, 800	81,000
Others Total			4, 100 64, 900	121,000	9,100	298,000
	32, 900	921,000	04,900	1, 862, 000	57,600	1, 917, 000
	1	1928	1929 1		1930	
Country of destination	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
					illy	
Germany	Kilos 6. 100	Francs 199,000	Kilos	Francs	Kilos	Francs
France United Kingdom Spain	6, 100 4, 600 8, 900 7, 100	199,000 155,000 383,000 259,000	Kilos 6, 900 7, 200	Francs 180,000 28,600		Francs 160, 000 96, 000
France. United Kingdom	6, 100 4, 600 8, 900	199, 000 155, 000 383, 000	6, 900 7, 200	180, 000 28, 600	Kilos 4,900 5,600	160, 000 96, 000
France	6, 100 4, 600 8, 900 7, 100 2, 200 3, 100 28, 100 3, 800	199,000 155,000 383,000 259,000 74,000 97,000 1,090,000 134,000	6, 900 7, 200 	180,000	Kilos 4, 900	160, 000 96, 000 46, 000
France. United Kingdom	6, 100 4, 600 8, 900 7, 100 2, 200 3, 100 28, 100	199,000 155,000 383,000 259,000 74,000 97,000	6,900 7,200 4,300 10,700 3,300 4,500	180,000 28,600 146,000 420,000 12,000 201,000	Kilos 4,900 5,600	160, 000 96, 000 46, 000 232, 000
France. United Kingdom	6, 100 4, 600 8, 900 7, 100 2, 200 3, 100 28, 100 3, 800	199,000 155,000 383,000 259,000 74,000 97,000 1,090,000 134,000	6,900 7,200 4,300 10,700 	180,000 28,600 146,000 420,000 12,000 201,000 146,000 147,000	Kilos 4,900 5,600 1,100 5,300	160, 000 96, 000 46, 000 232, 000 34, 000
Germany France Spain. Netherland India Chile Brazil Netherlands Greece Rumania Peru British India. Turkey. Uruguay. Others.	6, 100 4, 600 8, 900 7, 100 2, 200 3, 100 28, 100 3, 800	199,000 155,000 383,000 259,000 74,000 97,000 1,090,000 134,000	6,900 7,200 4,300 10,700 3,300 4,500 4,900	180,000 28,600 146,000 420,000 12,000 201,000 146,000	Kilos 4,900 5,600 1,100 5,300 700	160,000

BELGIAN EXPORTS OF HAIR BELTING, BY COUNTRIES

Country of destination	1925		1926		1927	
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
France	<i>Kilos</i> 19, 100 1, 400 900 5, 400	Francs 584,000 39,000 27,000 186,000	Kilos 42, 600 800 800 7, 900 1, 800	Francs 1, 394, 000 31, 000 30, 000 290, 000 82, 000	<i>Kilos</i> 50, 800 800 1, 800 1, 800	Francs 1, 913, 000 4, 400 6, 000 80, 000
Uniguay	1, 400	35, 000	800	40,000	3,900 1,600 1,300	123,000 102,000 43,000
Total	28, 200	871,000	54, 700	40,000 1,867,000	4,200 66,200	156, 000 2, 521, 000

	1928		1929		1930	
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
France Netherlands Greece	Kilos 23, 600 5, 700	Francs 1, 023, 000 285, 000	Kilos 24, 200 3, 500 2, 400	Francs 1, 135, 000 180, 000 89, 000	Kilas 6, 300 1, 900	Francs 286, 000 96, 000
Egypt United Kingdom Brazil	2,500	92, 000 150, 000	2, 800 1, 900 2, 200	150, 000 72, 000 70, 000		
Tunisia French Indo-China Other countries	$1,000 \\12,300 \\3,200$	77, 000 393, 000 123, 000	7,400	349, 000	5, 600	257, 000
Tota]	39, 800	1, 750, 000	56, 700	2, 438, 000	13, 800	639, 000

BELGIAN EXPORTS OF HAIR BELTING, BY COUNTRIES-Continued

BELGIAN EXPORTS OF LEATHER BELTING, BY COUNTRIES

	1	925	1	926	1927	
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
	Kilos	Francs	Kilos	Francs	Kilos	Francs
Belgian Congo		406, 092	15, 900	591,000	17, 300	838, 000
Germany		2, 399, 653	67, 700	2, 610, 000	107, 200	5, 439, 000
Austria			4,500	123,000	13,000	23, 200
Bulgaria			4,100	104, 000	2,900	18, 300
China			4,600	109,000		
Denmark	13, 323	363, 037	31,800	807,000	200	78, 300
Egypt			6,800	147,000		
Spain			2,700	135,000		
France	31, 141	1, 339, 393	42,100	1, 922, 000	36, 100	1, 923, 000
United Kingdom		239, 990	17,200	603, 000	56, 700	204, 800
Greece			10,400	384,000	17,700	700, 000
Italy		3, 185, 720	84, 500	3, 619, 000	57, 400	3, 443, 000
Mexico	'	- - -	4,100	215,000		
Palestine		1 070 000	2,500	100		
Netherlands		1, 070, 386	38,400	1,427	26,100	1, 567, 000
Poland	15 000	486, 552	13,100 24,600	654,000	29,000	1,874,000
Portugal	15, 888	400, 552	24,000	778, 000	18, 300 6, 400	701,000
Rumania			7,300	193,000	4,800	296,000
Sweden	18, 518	701, 090	17,000	740,000	25, 400	279,000
Switzerland Tunisia	10,010	701, 090	17,000	740,000	10,000	1, 537, 000
Tunisia			4,000	131,000	5, 800	310,000
Czechoslovakia	23, 415	416, 430	13,100	367,000	3,800 14,200	349,000
Turkey Others	81, 896	1, 921, 608	30, 200	963,000	34,800	402,000
Others			·			1, 421, 000
Total	421, 400	12, 529, 952	446, 600	16, 722, 000	503, 100	24, 325, 000
	1	028	1929		1930	
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
	Kilos	Francs	Kilos	Francs	Kilos	Francs
Belgian Congo	37,300	2, 259, 000	50,600	2,607,000	31,400	1, 558, 000
Germany	44, 500	3, 130, 000	24, 800	1, 861, 000	16,200	897,000
Brazil	11,000	48, 200	14,100	654,000		
Denmark			15, 200	664, 000		
Egypt	6, 100	300, 000	12,600	517,000		
Finland	4,800	314,000				
France.	41,000	3, 051, 000	39,000	2, 810, 000	42, 400	2, 402, 000
United Kingdom	27, 200	1, 204, 000	8,300	517,000		
Greece	20, 200	852,000	15, 500	824,000		
Italy	77,600	4, 207, 000	91, 300	4, 305, 000	35,600	1, 757, 000
Netherlands	35, 400	2, 256, 000	35,400	1,871,000	15,900	884,000
Poland	18, 700	1, 646, 000	32, 200	1,861,000	8,000	607, 000
Danzig		610 000	7,500	319,000		
Portugal	15, 400 7, 500	618,000 728,000	16,000	737, 00 0		
SwedenSwitzerland	26,200	1,888,000	48,800	3, 689, 000	01 800	1,486,000
	20,200	1,000,000	6,400	3,089,000	21,800	1,480,000
Tunisia Turkey	16, 500	824,000	24,700	1,612,000		
Others	65, 800	3, 175, 000	61,000	2, 949, 000	107, 100	4, 215, 000
Total	503, 600	28, 438, 000	503, 400	28, 191, 000		14, 804, 000

Country of destination	1928		1929		1930	
Brazil Curacao	Kilos 8, 072 2, 253	<i>Guilders</i> 30, 189 9, 953	Kilos 10, 636 2, 124 506	Guilders 41, 939 8, 122 1, 940	Kilos 4, 917 1, 551 1, 984	Guilders 15, 959 4, 867 6, 570
Surinam Mexico	571	2, 358	1, 831	7, 546	214 288	1, 028 1, 507
Venezuela Uruguay	1, 874	7, 647	2, 504	10, 299	8, 829 270	39,072 1,320
Latvia Greece Egypt	1, 839 1, 186	12, 124 6, 725	1, 346 3, 290	8, 737 16, 680	2, 179 450 317	10, 767 1, 925 1, 525
Portuguese East Africa China	9, 393	1,600 39,138	589 17, 868	3, 034 73, 508	519 15, 269	2,052 53,416
Japan South Africa Algieria and Tunisia	1, 877 1, 346 662	6, 920 6, 090 2, 700	1, 766 1, 288 775	6, 099 6, 262 3, 050	696 2, 815	2, 151 8, 862
Others	834	4, 508			326	1, 795
Total	268, 461	1, 342, 600	256, 333	1, 209, 197	220, 238	954, 815

EXPORTS OF LEATHER BELTING FROM NETHERLANDS-Continued

AVERAGE VALUE PER POUND OF EXPORTS OF LEATHER BELTING FROM NETHERLANDS

1919	\$1.52	1923	\$0.81	1927	\$0. 78
1920	1.14	1924	. 78	1928	. 91
1921					
1922	. 85	1926	. 75	1930	. 79

ITALY

The total amount of belting exported annually from Italy, which is now at about the same level as before the war, has, however, declined 40 per cent from the peak that was reached in 1923. The belting industry is well diversified, but the exports are relatively unimportant and somewhat spasmodic. The following table shows total exports of belting from Italy by years for 1912, 1913, and 1919 through 1931, in kilos and lire. Weight in pounds is given to aid in comparisons.

TOTAL	Exports	OF	Belting	From	Italy
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Year	Quantity Value		Voor	Qua	Value		
1 eai	Kilos	Pounds	(lire)	Year	Kilos	Pounds	(lire)
1912	33, 300 65, 800 95, 000 82, 400 100, 100 71, 200 102, 700 59, 100	73, 393 145, 023 209, 380 181, 609 220, 620 156, 924 226, 350 130, 256	$\begin{array}{r} 251,672\\ 457,850\\ 2,827,015\\ 2,718,600\\ 4,234,522\\ 2,696,703\\ 3,762,305\\ 1,691,368\end{array}$	1925	95, 800 72, 400 88, 900 52, 000 60, 900 42, 800 28, 500	211, 143 159, 569 195, 935 114, 608 134, 223 94, 331 62, 814	3, 523, 889 2, 595, 416 2, 370, 071 1, 512, 918 1, 733, 817 1, 103, 631 706, 348

Prior to the World War leather belting was the largest class exported, followed by camel's hair, canvas and hemp, and rubber in that order. As is evident from the following table, in 1929 this order was reversed, and rubber led, canvas and hemp came second, leather third, and camel's hair last. By 1931 canvas and hemp belting made up the largest class by volume, leather was second, followed by rubber and camel's hair. The table shows yearly exports of these classes, the figures for canvas and hemp belting including hose as well.

125759-32----5

Year	Leath	er belting	Camel's	Camel's-hair belting		Rubber belting		Canvas and hemp belting and hose	
i ca	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	
1912	37, 400 37, 500 14, 800 20, 000 18, 200 34, 400 23, 900	Lire 183, 150 231, 540 1, 848, 000 1, 496, 000 1, 511, 272 737, 268 671, 335 714, 491 1, 619, 492 1, 119, 666	Kilos 9,500 29,100 4,000 6,700 47,400 20,300 20,800 5,600 14,800 4,000	<i>Lire</i> 59, 850 183, 330 160, 000 341, 700 2, 347, 981 1, 141, 460 1, 265, 487 208, 473 663, 736 150, 762	<i>Kilos</i> 700 9,500 2,000 13,700 29,600 9,800 22,700 18,900	<i>Lire</i> 4, 550 199, 500 60, 000 385, 779 1, 258, 900 212, 788 616, 154 611, 318	Kilos 4, 600 14, 000 35, 300 38, 300 13, 200 22, 400 32, 300 23, 500 23, 900 25, 600	Lire 14, 122 42, 980 619, 515 880, 900 315, 269 432, 196 566, 583 555, 616 624, 507 713, 670	
1927 1928 1929 1930 1931	12, 500 16, 900 14, 700 16, 600 10, 000	528, 655 751, 428 608, 016 566, 273 345, 351	2, 300 1, 800 1, 600 6, 000 1, 700	81, 550 41, 135 56, 093 157, 087 33, 512	21, 400 14, 000 28, 400 3, 200 3, 600	625,033 393,113 751,087 117,085 86,626	52, 700 19, 300 16, 200 17, 000 13, 200	1, 134, 833 327, 242 318, 621 263, 186 240, 859	

EXPORTS OF BELTING FROM ITALY, BY CLASSES

There is no such marked increase in the present volume of exports, as compared to pre-war, as to warrant a belief that the Italian industry is likely to become a more important figure in the future international trade in belting. Exports of belting from Italy are more or less spasmodic, varying widely from year to year. In 1920 Italy supplied 0.6 per cent of the world trade; in 1921 its share was 1.2; in 1925 0.8; in 1929, the last year for which figures are available, 0.4 per cent.

Italian figures are much delayed in making their appearance, but the table following shows the volume of exports of leather belting, camel's-hair belting, and canvas and hemp belting and hose not impregnated with oil, by countries, for 1920 and 1928. The bulk of the trade is with France and near-by European countries.

Canvas Canvas and and Leath-Cam-Leath-Camhemp hemp Country of destination el's-hair Country of destination el's-hair er belter beltbelting belting ing ing belting belting and hose and hose Kilos Kilos Kilos Kilos Kilos Kilos 1,400 10,300 Turkey in Asia. 100 1,000 800 Austria_ Aden Egypt Algeria Belgian Congo Belgium 500 500 200 400 400 1,700 500 Bulgaria . . 1.000 500 100 14,400 15,200 France.... 400 200 700 100 Greece... Tunisia... 300 300 Malta 100 Argentina... Brazil 2,300 Norway 2,900 500 Portugal. Yugoslavia 800 200 800 500 Ecuador ----200 700 1.200 400 500 Eritrea.. Rumania Tripoli and Cyrene..... 1, 100 100 Russia -------200 For use on ships..... 1,400 Spain_____ ----9,900 Sweden. 300 Total 37.400 6,700 38, 300 Switzerland 700 1,300 200 Turkey in Europe..... 5,100

ITALIAN EXPORTS OF BELTING IN 1920, BY COUNTRIES AND CLASSES

	Lea	ther	Camel	's hair	Rul	ber
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
	Kilos	Lire	Kilos	Lire	Kilos	Lire
Albania Belgium	1,000 400 100	40, 910 30, 260 2, 890			100	1, 140
Denmark France Yugoslavia. Great Britain	2,900 800 100	102, 023 11, 123 1, 280	400 300	9, 032 1, 500	500	1, 040
Greece Spain Switzerland	100 300 100	3, 820 11, 123 4, 463	100	1, 830		
British India and Ceylon Turkey in Europe Turkey in Asia		7, 330 23, 750 16, 615			7, 300 200	209, 495 4, 990
Egypt	100	86, 681 2, 480	500	13, 638	1,400	48, 820
Tunisia. British Africa Aden	100 100	4, 500 4, 500	100	1, 830	700	21, 050
Argentina Brazil Peru	2, 600 100 400	153, 570 4, 655 23, 110			200	6, 050
Venezuela. Franco Trieste. United States.	100	4, 600 17, 139 40, 830				
Total	13, 800	617, 501	1,400	27, 830	10, 400	292, 585
Eritrea. Italian Somaliland. Tripoli.	1, 200 600 1, 300	46, 560 30, 567 56, 800	200	7, 520 5, 785	2, 000 200 1, 400	56, 465 7, 700 36, 363
Total	3, 100	133, 927	400	13, 305	3, 600	100, 528
Grand total	16, 900	751, 428	1, 800	41, 135	14,000	393, 113

ITALIAN EXPORTS OF BELTING, BY COUNTRIES AND CLASSES, 1928

SWITZERLAND

Switzerland produced leather and woven belting for export regularly up to 1924, and since then has also shipped rubber belting abroad. Total Swiss exports of belting averaged about 120,000 kilos before the war, rose sharply in the years immediately after the war to 188,000 in 1919; dropped in the 1921 depression to a low of 41,100, continued at a reduced level until 1928, and are now at approximately the prewar figure. Switzerland's share of total world trade is fractional, being a little more than one-half of 1 per cent. In 1930 its proportion increased to 1.2 per cent, showing that sometimes the small Swiss trade holds up better in periods of subnormal business than does that of the average country. The table following shows total exports for 1912, 1913, and 1919 through 1930.

V	Quantity		Value		Qua	Value	
Year	Kilos	Pounds	(francs)	Year	Kilos	Pounds	(francs)
1912	124, 900 104, 400 188, 800 104, 500 41, 100 53, 500 66, 900	275, 279 230, 097 416, 115 230, 318 90, 584 117, 914 147, 447	847, 887 775, 526 3, 506, 792 1, 940, 307 699, 664 545, 000 689, 000	1924	64, 300 58, 900 80, 522 81, 708 120, 525 196, 694 129, 221	141, 717 129, 735 177, 435 180, 084 265, 637 433, 513 284, 803	702, 000 702, 728 659, 000 975, 553 1, 187, 681 1, 146, 623 821, 725

TOTAL EXPORTS OF BELTING FROM SWITZERLAND

Rubber belting has now become the largest class, in volume, of belting exported from Switzerland, amounting in 1930 to 57,800 kilos against 41,995 kilos of leather belting, and 29,466 of woven. However, in value the leather exports are far the largest.

	Rubber		Leather	r belting	Woven belting	
Year	Quantity	Value	Quantity	Value	Quantity	Value
912 913 1919 920 1921 1922			58, 700 21, 300 25, 500	Francs 608, 545 599, 790 2, 645, 604 1, 242, 742 427, 906 355, 000	<i>Kilos</i> 55, 900 45, 000 73, 300 45, 800 19, 800 28, 000	Francs 239, 342 175, 730 861, 183 697, 56 271, 75 190, 00
923	26,000 3.400 28,900			447,000 521,000 529,693 556,476 801,358 982,388 882,438 637,267	37, 500 28, 500 25, 300 14, 106 25, 826 29, 835 38, 450 29, 466	242,00 181,00 173,00 100,51 173,81 200,19 257,81 180,62

ANNUAL EXPORTS OF BELTING FROM SWITZERLAND, BY CLASSES

In 1930 Egypt was the largest market for Swiss woven belting, taking 21,760 kilos. Italy took the largest share of leather belting, while the bulk of the very limited trade in rubber belting went to France and Belgium. The Swiss share of world trade in leather belting averages about 1.5 per cent, that of cotton belting about 1 per cent, and that of rubber belting only a fraction. The following tables show the Swiss belting trade by countries for 1925–1930.

EXPORTS OF LEATHER BELTING FROM SWITZERLAND TO FOREIGN COUNTRIES 1925-1930

Country of destination	1925	1926	1927	1928	1929	1930
	Kilot	 Kilos	Kilos'	Kilos	Kilos	Kilos
ustria		1, 499	2,122	4. 242	3, 152	2, 143
Belgium		1, 450	80	208	219	316
Bulgaria		51		200	210	510
Zechoslovakia	200	672	1, 551	1, 593	1,902	1, 124
Denmark		418	172	300	196	288
Finland		29		197	100	200
Гапсе		1, 261	1,779	1,705	1, 118	1, 643
Jermany.		3,669	11, 229	11, 023	9,410)	8, 684
Эгеесе		1, 809	1, 381	705	2, 316	1,080
Hungary		2, 199	4, 176	3, 299	3,036	1, 728
taly		14,912	15.694	22, 142	19, 231	15, 117
Lithuania.		751	110	117	93	168
Netherlands		25	155	40	575	929
Norway		40	55	16		34
Poland		274	347	402	353	7
Portugal		22	138	299	318	12
Rumania		2,901	1,662	2,123	2,096	1, 44
Spain	300	619	1,646	2,710	1,840	1,03
Sweden	1,800	1, 397	3, 418	1,823	. 1,404	1,33
Turkey		1, 327	94	103	302	
United Kingdom	200	186	373	539	217	15
Yugoslavia		1,727	1,668	2,791	1, 457	29
United States			. 394	715	1, 328	. 42
Cuba					55	
Argentina		96			64	17
Bolivia		78			46	
Brazil		1, 342	1,860	2,601	3, 679	1,65

QUANTITY

EXPORTS OF LEATHER BELTING FROM SWITZERLAND TO FOREIGN COUNTRIES, 1925-1930—Continued

Country of destination	1925	1926	1927	1928	1929	19 30
Colombia	Kilos	Kilos 178	Kilos	Kilos	Kilos	Kilos
Peru		82				
Uruguay				31		
Venezuela			71	280		
British India.	100	190	158	107		169
China			102	196	170	
Netherland India		46		98	164	
Japan Algeria		64 103	71			
Algeria British West Africa		103	⁽¹ -			127
British South Africa		36				141
Egypt		1, 223	1. 110	743	1. 267	235
Morocco.		-,	-,		22	986
Baltic countries	800	1,036	694	512	887	348
Other countries		75	70	125	127	124
Total	33, 600	40, 417	52. 482	61, 790	57, 044	41, 955

QUANTITY-Continued

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Belgium 1,000 1, Bulgaria 4,000 11, Denmark 1,000 4,000 France 20,000 13, Germany 133,000 69, Greece 3,000 18, Hungary 11,000 33,000 Italy 228,000 191, Lithuania 3,000 8, Norway 3,000 8, Poland 8,000 4, Portugal 1,000 228,000 Rumania 1,000 8, Turkey 10,000 11, Swaden 4,000 11, Swaden 4,000 11, Swaden 3,000 4, Yugoslavia 3,000 14, United Kingdom 3,000 16, United Kingdom 1,000 17, Chile 1,000	125 36, 994 158 1, 369	France	France	France
Belgium 1,000 1, Bulgaria 4,000 11, Denmark 1,000 4,000 France 20,000 13, Germany 133,000 69, Jreace 3,000 18, Hungary 11,000 33,000 Jareace 3,000 18, Hungary 11,000 33,000 Netherlands 3,000 8, Norway 3,000 8, Poland 8,000 4, Portugal 1,000 22, Rumania 1,000 22, Netherlands 3,000 8, Poland 8,000 4, Portugal 1,000 2, Turkey 11, 10,000 2, United Kingdom 3,000 16, Dalital 1,000 17, Caba 2,000 17, Chile 1,000 17, Chile 1,000 2, Urited Kingdom 1,000 2, United Kingd	158 1, 369	65, 392	62,046	39.84
Bulgaria 4.000 Deenboslovakia 4.000 Venchoslovakia 4.000 Venland 1.000 France 20,000 Hand 3.000 Ferece 3.000 Ingary 13.000 Hungary 13.000 Hungary 228,000 Hungary 228,000 Uithuania 3.000 Norway 228,000 Poland 8,000 Norway 3.000 Norway 1,000 Spain 4,000 Norway 1,000 Spain 4,000 Nugoslavia 3,000 United Kingdom 3,000 Nagoslavia 1,000 Dittod States 2000 Dalivia 1,000 Bolivia 1,000 Brazil 1,000 United Kingdom 2,000 Peruita 1,000 United States 2,000 Bolivia 1,000 Chile 1,000 Colombia <td< td=""><td></td><td>2,945</td><td>4, 192</td><td>9, 38</td></td<>		2,945	4, 192	9, 38
Zzechoslovakia. 4,000 11, Vanark 1,000 4. Vanark 13,000 14, France. 20,000 13, Jernmany 133,000 69, Arece. 3,000 18, Inngary. 11,000 33, Italy 228,000 191, Jithuania. 3,000 8, Vorway. 20,000 14, Vorway. 3,000 8, Vorway. 000 4, Vorway. 000 4, Vorway. 000 10, Varkey 1,000 27, Unick Kingdom. 3,000 14, Varkey 11, 10,000 Jnited Kingdom. 3,000 13, Varkey 11, 10,000 13, Jnited Kingdom. 3,000 14, Varkey 1,000 1, Jnited Kingdom. 1,000 1, Oblia. 1,000 1, Partial. 10,000 1,	603	4,010	7,104	0.00
Denmark I,000 4. 'inland 20,000 13. 'inland 33,000 69. 'inland 33,000 69. 'inland 133,000 69. 'inland 3,000 13. 'inland 133,000 69. 'inland 133,000 69. 'inland 3,000 18. Iungary 11,000 33. taly		27,851	29.463	16.04
Finland. 20,000 13, France				
Trance. 20,000 13,000 lermany 133,000 69, Treece. 3,000 18, lungary. 11,000 33,000 ithuania. 228,000 191, .ithuania. 3,000 8, Yetherlands. 3,000 8, Oortugal 1,000 20,000 Rumania. 1,000 3,000 Jnited Kingdom. 3,000 3,000 Jnited States 3,000 16, Da 1,000 17, Chile. 1,000 17, Chile. 1,000 2, Perti . 1,000 2, Perti . 1,000 2, Perti . 1,000 2, Perti . 1,000 2,		3, 206	2, 900	4, 12
armany 133,000 69. lingary 3,000 18. lingary 11,000 33. taly 228,000 191. lithuania 3,000 8. Netherlands 3,000 8. Vorway 3.000 8. Ordind 8,000 4. Argentias 1.000 27. ipain 4.000 11. nited Kingdom 3,000 8. Varkey 48,000 42. Purkey 48,000 42. Tuscat 3,000 11. Jaited Kingdom 3,000 3. Yagoslavias 3,000 16. Daited States 2000 1. Daited States 2.000 1. Drited States 2.000 1. Vagoslavias 1.000 2. Vagoslavias 1.000 2. Junited States 2. 2. Duba 1.000 1. Generuelas 1.000 2. Perti	574	3, 506		
Breece 3,000 18, Hungary 11,000 33, Hungary 11,000 33, Vetherlands 3,000 8, Vorway 3,000 8, Vorway 3,000 8, Vorway 3,000 8, Vorway 3,000 4, Oortugal 1,000 27, Rumania 1,000 27, Rumania 1,000 21, Inted Kingdom 4,000 11, Weden 48,000 42, United States 3,000 10, Data 1,000 10, Brazil 10,000 10, Brazil 10,000 10, Chile 1,000 1, Colombia 2, 2, Venezuela 2, 2, Perti 1,000 2, Venezuela 1,000 2, Stitish India 1,000 2, Venezuela 2, 2, Stitish West Africa 1,		21, 695	17, 843	22, 41
Hungary		233, 876	203, 510	176, 54
taly 228,000 191. ithuania 3,000 8, Netherlands 3,000 8, Norway 3,000 8, Poland 8,000 4, Portugal 1,000 27, Rumania 1,000 27, Juited Kingdom 3,000 11, Juited Kingdom 3,000 16, United Kingdom 3,000 16, Dited Kingdom 3,000 16, Dited Kingdom 1,000 17, Dited Kingdom 3,000 16, Dited Kingdom 1,000 17, Dited Kingdom 3,000 16, Dited Kingdom 1,000 17, Dited Kingdom 2,000 16, Dited States		9,128	24, 492	13, 94
Jitbuania. 3,000 8, Vetherlands. 3,000 8, Norway. 3,000 8, Poland. 8,000 4, Poind. 1,000 27, Rumania. 1,000 27, Spain. 4,000 11, weden. 48,000 42, Uarkey. 11, 48,000 Jnited Kingdom. 3,000 3, Vagoslavia. 3,000 16, Jnited States. 2000 1, Data 1,000 17, Chile. 1,000 17, Chile. 1,000 2, Perti. 1,000 2, Perti. 9,000 17, Chile. 1,000 2, Perti. 9,000 17, Chile. 1,000 2, Perti. 9,000 17, Perti. 9,000 17, Perti. 1,000 2, Perti. 1,000 2, Perti. 1,000 2, </td <td></td> <td>53, 822</td> <td>48,509</td> <td>27,98</td>		53, 822	48,509	27,98
Lithuania 3,000 8, Vetherlands 3,000 8, Norway 3,000 8, Poland 8,000 4, Portugal 1,000 1, Rumania 1,000 11, weden 48,000 11, Jitted Kingdom 3,000 3, Jnited Kingdom 3,000 16, Jnited Kingdom 1,000 3,000 Argentina 1,000 16, Daited States 2000 1, Data 1,000 17, Chile 1,000 17, Chile 1,000 2, Perti 1,000 2, Spitish India 1,000 2, <td>248 203, 782</td> <td>290,004</td> <td>236,942</td> <td>185, 39</td>	248 203, 782	290,004	236,942	185, 39
Netherlands 3,000 Norway 3,000 Norway 1,000 Rumania 1,000 typain 4,000 yowden 4,000 Turkey 48,000 Purkey 48,000 Yagoslavia 3,000 Yagoslavia 3,000 Jnited Kingdom 3,000 Jnited Kingdom 3,000 Jnited Kingdom 3,000 Jnited States 2000 Duba 1,000 Argentina 2,000 Balivia 1,000 Parail 1,000 Venezuela 1,000 Perti 2 Jurguay	383 1.185	1.576	950	1.75
Norway	485 1.613	804	10,051	14.78
Poland 8,000 4, Portugal 1,000 1,000 Agmania 1,000 27, ipain 4,000 11, upain 48,000 11, Unrkey 3,000 3, Unrkey 3,000 3, Unted Kingdom 3,000 3, Unted States 2000 16, Duba 1,000 17, Argentina 2,000 17, Brazil 10,000 17, Chine 1,000 22, Perti 1,000 22, Urugutay	685 733	590		70
Portugal 1,000 Rumania 1,000 Rumania 1,000 Jpain 4,000 Weden 48,000 United Kingdom 3,000 Jnited Kingdom 3,000 Jnited Kingdom 3,000 Jnited Kingdom 3,000 Jnited States 3,000 Duba 2,000 Argentina 2,000 Bolivia 1,000 Preul 1,000 Chile 1,000 Peru 2, Purguay 2, Venezuela 1,000 Spritish India 1,000 Aigeria 1, Stitish South Africa 1, Stitish South Africa 14,000 15, 15,	375 5,807	8, 703	9.042	1.38
Rumania. 1.000 27. ispain 44.000 11. isweden 44.000 14. Uurkey 11. 45.000 14. Daited Kingdom 3.000 3. 3. Vingoslavia 3.000 16. 16. Daited States 2000 1. 1. Data 1.000 17. 1. 0.000 17. Chile 1.000 17. 2. 1. 1. 0.000 1. Chile 1.000 2. 2. 1. 1. 0.000 1. 1. 1. 0.000 1. 1. 1. 0.000 1. 1. 1. 0.000 1. 1. 1. 0.000 1. 1. 1. 1. 0.000 1. 1. 1. 1. 1. 0.000 1. <td>589 1.610</td> <td>3, 775</td> <td>4.245</td> <td>2.30</td>	589 1.610	3, 775	4.245	2.30
spain 4.000 11, wweden 48,000 42, Uniked Kingdom 3,000 3, Jniked Kingdom 3,000 3, Uniked Kingdom 3,000 16, Uniked Kingdom 3,000 16, Uniked Kingdom 3,000 16, Uniked States 1,000 17, Bolivia 1,000 17, Brazil 10,000 17, Colombia 2,000 1, Peru 1,000 2, Uruguay		25, 226	21.543	14.3
sweden 48,000 42, Unrkey 11, Dited Kingdom 3,000 3, Yugoslavia 3,000 16, Duba 3,000 16, Argentina 1,000 1, Bolivia 1,000 1, Colba. 1,000 2, Dited Kingdom 2,000 1, Bolivia 1,000 1, Colombia 2,000 1, Peru 1,000 2, Venezuela 2,000 1, Nother 1,000 2, Pritish India 1,000 2, Spritish West Africa 1, 1, British West Africa 1, 1, British South Africa. 14,000 15,		60, 210	44.873	17.75
Durkey				
Jnited Kingdom		48, 281	29, 552	24, 57
Tugoslavia 3,000 16, Jnited States 2,000 1, ubaa 1,000 1, Irgentina 2,000 1, Jrail 10,000 17, Chile 1,000 2, Peru 7 2,000 Pruguay 2, 2, Peru 7 2, Sritish India 1,000 2, Stitish India 1,000 2, Stitish South Africa 1, 1, Spritish South Africa 14,000 15,		2, 256	3,749	l
Jnited States - Duba - Puba - Suba - Bolivia 1,000 Brazil 10,000 Colombia - Peru - Jruguay - Veneruela 1,000 Pritish India 1,000 Dina - Algeria - Pritish India - Spitish India - Spitish India - Spitish South Africa - British South Africa - System 14,000	130 7, 123	11, 365	4, 114	2, 2,
Cuba 2.000 1, Argentina. 2.000 1, Bolivia 1,000 1, Brazil 10,000 17, Colombia 2, 2, Peru. 1,000 17, Druguay 2, 2, Venezuela. 1,000 2, Sritish India. 1,000 2, Venezuela. 1,000 2, Sritish West Africa. 1,000 2, British South Africa. 14,000 15,		37, 599	18, 257	3, 56
Argentina. 2,000 1, Bolivia. 1,000 1, Stratil. 10,000 17, Chile. 1,000 2, Perti. 2, 2, Jruguay. 2, 2, Venezuela. 1,000 2, Sritish India. 1,000 2, Jina. 1,000 2, Venezuela. 1,000 2, Sritish India. 1,000 2, Spina. 1,000 2, Venezuela. 1,000 2, Spina. 1,000 2, Spitish South Africa. 1, Sgypt. 14,000 15,	4, 502	8,134	25, 440	6,91
bolivia			1, 213	
Bolivia	898 734		1,351	3, 64
Brazil 10,000 17, Chile 1,000 17, Colombia 2, 2, Perti 2, 2, Uruguta y 2, 2, Venezuela 1,000 2, British India 1,000 2, Venezuela 1,000 2, Spina 1,000 2, Venezuela 1,000 2, Spins 1,000 2, Spins 1,000 1, Spitish West Africa 1, 1, Synth South Africa 14,000 15,	640		900	
Thile 1,000 Colombia 2, Peru 2, Jruguay 1,000 Zerria 1,000 Spina 1,000 Algeria 1, Sritish Nott Africa 1,000 Sritish South Africa 14,000 Isoroco 15,	833 21.186	30, 232	41,431	16,09
Colombia 2, Peru Peru Paru 1,000 Paruela 1,000 Pritish India 1,000 China 1,000 Papan 1, Ilgeria 1, British South Africa 14,000 Isoroeco 15,				
Peru	980			
Jruguay	933			
Yenëzuella	200	711		
China	1, 590			
Dina				3, 18
Jetherland India	200 1,950		1 000	
apan	941	2, 123		
Algeria. 1, Sritish West Africa. 1, Sritish South Africa. 14,000 15, Agrocco. 14,000 15,	978	2, 763		
Sritish West Africa. Sritish South Africa. Sgypt	628			
Sritish West Africa. Sritish South Africa. Sgypt	575 900			
dorocco				1, 5
Morocco	715		1	
dorocco	117 17, 292	11, 440	18,757	3, 7
			590	18, 10
	334 6.761	6, 397	8,662	2.9
ther countries 1,	043 886		1,928	1.9
Philot Counciliant and a second secon	000	2,002		
Total	476 801.358	982, 388	882, 438	637, 2

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VALUE

EXPORTS OF BELTING (EXCEPT RUBBER AND LEATHER) FROM SWITZERLAND TO FOREIGN COUNTRIES, 1925-1930

Country of destination	1925	1926	1927	1928	1929	1930
· · · ·	Kilos	Kilos	Kilos	Kilos	Kilos	Kilos
Austria		707	76	422	49	57
Belgium		303	946	297	120	126
Bulgaria					136	60
Czechoslovakia		1, 081	155	370	186	
Denmark				23	15	
France	13,900	7,482	17,473	1, 514	1,662	1, 589
Germany	600	953	815	605	423	429
Greece	2, 500		55	1, 724	763	508
Hungary					80	
Italy		60	314	568	322	104
Lithuania		181	195	461	72	112
Netherlands				49	45	
Poland			341	333		
Portugal					1.373	1, 175
Rumania	4.200					
Sweden				123		47
United Kingdom		2			1	1
Yugoslavia		204			136	-
Argentina					316	189
Brazil				313	510	-0-
Chile	1			0.0	100	306
British India		61				
French Indo-China			282	924		
Iraq				2, 556	806	672
Syria				104	000	•••
Egypt		306	600	12,780	26. 529	21.760
Algeria		568	2, 381	643	765	540
Moroeco.		500	~, 001	1, 304	1, 113	010
Baltic countries		2, 185	2,118	4, 692	2,914	1.656
Other countries		2, 105	75	30	14	135
Office (Outperfession		15			14	100
Total	25, 300	14, 106	25, 826	29, 835	38, 450	29, 466

QUANTITY

	France	France	France	France	France	Francs
Austria	4,000	4, 456	1, 262	2, 736	548	456
Belgium	2,000	2,810	6,340	2,552	2,178	1,864
Bulgaria					1, 100	500
Czechoslovakia	1,000	8, 188	1, 915	5, 325	2,551	
Denmark.			,	270	170	
France	89.000	49, 468	112, 235	11.374	14.204	10, 729
Germany		13, 405	8, 550	8,875	6, 137	5, 536
Greece		,	400	11, 388	5, 290	3, 300
Hungary				,	686	
Italy	5,000	880	2,920	4,665	3, 160	1, 244
Lithuania	-,	1,100	1, 160	2,930	500	662
Netherlands	2.000		-,	480	610	
Poland			2, 528	1,900		
Portugal					8,400	6,800
Rumania	27,000					
Sweden				800		519
United Kingdom		65			20	91
Yugoslavia		1,464			820	
Argentina					2,080	1, 200
Brazil				2,625	3,997	
Chile					650	2,080
British India		400				
French Indo-China			1.880	5.680		
Iraq.				14,720	5,000	3,900
Syria				950		
Egypt		1,880	3, 580	85,020	168, 680	126,800
Algeria	9,000	3, 560	16,720	4, 190	5,000	3,600
Moroceo			13, 487	8, 370	7, 100	
Baltic countries		12,605	836	25, 113	18, 637	9,840
Other countries		223		232	295	1, 503
Total	173, 000	100. 514	173.813	200, 195	257, 813	180, 624

VALUE

EXPORTS OF RUBBER BELTING FROM SWITZERLAND TO FOREIGN COUNTRIES, 1925-1931

Country of destination	1925	1926	1927	1928	1929	1930
Austria	Kilos	Kilos 13	Kilos	Kilos	Kilos	Kilos
Belgium Czechoslovakia				14		65 1
France	[151	8 	1 51	5 860 81	81 16
Italy		83		126 30	10 15	37
Rumania United Kingdom					2	293 1
Yugoslavia United States				20		2
Netherland India Other countries.			26	47	39	82
Total		260	34	289	1, 012	578

QUANTITY

VALUE

	Francs	France	Francs	France	France	Francs
Austria		253				
Belgium Czechoslovakia	- - 			150		870
France	1		51	21	70	642
Germany		1.000		1. 275	4, 242	273
Hungary					1,080	
Italy		490		1,900	159	
Netherlands				340	153	710
Rumania						600
United Kingdom			30		50	19
Yugoslavia United States		267				
United States Netherland India				586		60
Other countries			301	526	618	630
•••••••••••••••••••••••••••••••••••••••						
Total.		2.010	382	5, 098	6, 372	3, 834

AUSTRIA

The Austrian export trade in belting products is now about double the pre-war level, although less than one-third the total reached in 1922 and 1923, the best years for that trade. Austria produces about 1 per cent of the total world exports, the percentage remaining nearly constant since 1920, except for an increase in the years 1921 through 1924. The accompanying table shows the total Austrian belting trade for 1912, 1913, and 1920 through 1930.

Year	Kilos	Pounds	Value (crowns)	Year	Kilos	Pounds	Value (crowns)
1912 1913 1920 1921 1922 1923 1924	85, 600 83, 100 117, 100 217, 500 329, 900 369, 000 189, 100	188, 662 183, 152 258, 088 479, 370 727, 099 813, 276 416, 776	523, 435 535, 455 764, 845 1, 462, 760 2, 225, 725 2, 793, 000 1, 689, 000	1925 1926 1927 1928 1929 1930	135, 500 106, 500 98, 700 124, 600 162, 500 112, 700	298, 642 234, 726 217, 534 274, 618 358, 150 248, 390	1, 715, 000 1, 314, 000 1, 400, 500 2, 289, 600 2, 522, 400 1, 673, 600

TOTAL EXPORTS OF BELTING FROM AUSTRIA

Austrian official figures are available for exports of leather belting, rubber belting, cotton and hemp belting, and wool and hair belting. The trade in leather belting is by far the most important; both cotton and hemp, and wool and hair exports are declining, but rubber belting exports are now nearly double the pre-war and 1920 level.

	Leather		Rubber		Cotton and hemp		Wool and hair	
Year	Quantity	Value	Quantity	Value	Quan- tity	Value	Quan- tity	Value
1912	204,700 257,000 179,000 129,800 103,100	Crowns 454, 350 468, 375 696, 410 1, 392, 340 2, 167, 000 2, 724, 000 1, 605, 000 1, 235, 000 1, 263, 000 1, 963, 000 2, 176, 000	Kilos 5, 200 10, 000 11, 100 11, 100 7, 100 2, 700 3, 500 17, 700 18, 100 16, 300	Crowns 24,700 47,975 48,215 49,320 93,000 93,000 12,000 329,000 329,000 324,000 341,000	Kilos 8,900 3,200 3,400 3,600 3,100 6,100 1,800 2,600 600 100 600 200	Crowns 35,805 11,515 12,100 12,600 11,325 27,000 44,000 13,000 63,000 9,000 2,000 5,000 2,000	Kilos 2, 600 2, 300 2, 600 2, 800 3, 100 2, 800 1, 300 400 300 2, 200 500 200 700	Crowns 8,580 7,590 8,120 8,500 2,400 15,000 9,000 4,000 4,000 4,000 6,000

EXPORTS OF BELTING FROM AUSTRIA, BY CLASSES

¹ Estimated.

Yugoslavia has always been the largest market for exports of leather belting from Austria. Bulgaria is now second, and Italy third. Hungary is now the heaviest purchaser of rubber belting, Germany of cotton, and in 1929 Yugoslavia and Czechoslovakia divided the bulk of the small trade in wool and hair belting. The following table shows Austrian belting exports by countries in 1923 and 1929.

AUSTRIAN EXPORTS OF BELTING, BY CLASSES AND COUNTRIES

	1923					
Country of destination	Cotton	Leather	Rubber	Wool and hair		
Poland Rumania Yugoslavia Czechoslovakia Hungary Bulgaria Italy Germany		Kilos 70, 300 28, 600 130, 800 1, 300 7, 600 8, 300 7, 600 500	Kilos 2, 100 900 2, 900	Kilos 1, 300 100 300		
Other Total	3, 900	2, 000 257, 000	1, 200	2,000		

	1929									
Country of destination	Leather		Rubber		Cotton		Wool and hair			
	Quantity	Value	Quantity	Value	Quan- tity	Value	Quan- tity	Value		
Germany	Kilos 1, 100	Shillings 18,000	Kilos 200	Shillings 5,000	Kilos 400	Shillings 2,000	Kilos	Shill- ings		
Italy Poland Rumania	12, 500 3, 500 4, 800	180, 000 57, 000 77, 000	100 3, 300 2, 700	1,000 48,000 51,000				1,000		
Switzerland Yugoslavia Czechoslovakia	200 79, 300 700	3, 000 1, 210, 000 21, 000	3, 500 3, 600	79, 000 80, 000	100		100 100	1, 000 2, 000		
Hungary Albania Belgium	4, 100 100 100	78,000 2,000 1,000	4,400	72,000	100	1,000				
Bulgaria Denmark France	29, 100 300	417,000 3,000 1,000								
Greece. United Kingdom Lithuania	900 400 400	15, 000 5, 000 6, 000	100	3, 000						
Luxembourg Netherlands Norway	100 1, 900 200	1, 000 14, 000 2, 000	100	1, 000						
Turkey China Canada	3, 100 600 100	46, 000 12, 000 3, 000								
Others Total	100 143, 600	4,000	100 18, 100	1,000 341,000	600	5,000	200	4, 000		

AUSTRIAN EXPORTS OF BELTING, BY CLASSES AND COUNTRIES-Continued

CZECHOSLOVAKIA

Czechoslovakia has a well-developed belting industry producing and exporting all kinds and types of belting. The official trade statistics classify belting separately as oak-tanned leather, mineraltanned leather, rubber and balata, cotton, flax, and hair. For convenience in treatment, the first two classes are combined in the statistics shown here, and the last three, of which hair belting is the most important class, are also combined.

Czechoslovakia's share of the total world belting trade was 0.6 per cent in 1920, had risen to 2.9 in 1923, and was 1.7 per cent in 1930. The following table shows total exports from 1920 through 1930, except for 1924, in which year a change in classification was made that renders detailed figures unavailable. The sharp decline in exports in 1922 was the result of currency stabilization and appreciation, which took place that year, and which temporarily increased prices sharply in the country and rendered export trade extremely difficult for the Czechoslovak manufacturers. That this was temporary is shown by the greatly increased exports in 1923, when the volume reached 780,000 pounds, over three times as great as the preceding year, as a result of expanding shipments of rubber and balata belting.

Neoz	Qua	ntity	Value	Vaa	Qua	Value	
Year	Kilos	Pounds	(crowns)	Year	Kilos	Pounds	(crowns)
1920 1921 1922 1923 1925 1926	86, 600 166, 800 112, 600 353, 842 272, 451 204, 800	190, 866 367, 627 248, 170 779, 867 600, 482 451, 379	11, 236, 800 32, 539, 400 7, 562, 590 13, 721, 766 8, 921, 857 9, 369, 000	1927 1928 1929 1930 1931	241, 600 268, 300 239, 300 186, 500 129, 500	532, 486 591, 333 527, 417 411, 046 265, 582	11, 013, 000 11, 800, 000 11, 640, 000 8, 486, 000 4, 226, 000

TOTAL EXPORTS OF BELTING FROM CZECHOSLOVAKIA

Exports of balata and rubber belting have increased until they are now the largest class of Czechoslovakia, and represent 1.8 per cent of the world total. Trade in leather belting has tripled since 1920, but that in cotton, flax, and hair belting has decreased since that year, except for the heavy sales of the year 1925. In the following table exports of belting from Czechoslovakia are shown, by classes, for 1920–1923, and 1925–1930; statistics for 1924 are not available.

Var	Lea	ther	Balata a	nd rubber	Cotton, flax, and hair		
Year	Quantity	Value	Quantity	Value	Quantity	Value	
1920 1921 1922 1923 1925 1926 1927 1928 1929 1930	Kilos 23, 200 68, 800 24, 000 61, 975 42, 277 51, 100 66, 200 79, 500 104, 000 76, 800 37, 000	Crowns 3, 576,000 9,068,500 3, 170,000 3, 135,886 2,722,647 3,047,000 4,037,000 6,525,000 4,645,000 1,911,000	Kilos 8, 700 26, 800 46, 700 253, 967 70, 850 138, 000 151, 700 158, 700 121, 100 102, 200 79, 000	Crowns 1, 244, 100 3, 216, 000 2, 331, 540 9, 233, 986 3, 003, 068 5, 957, 000 6, 397, 000 5, 738, 000 4, 689, 000 3, 637, 000 2, 126, 000	Kilos 51, 700 71, 200 41, 900 37, 900 159, 324 15, 700 23, 700 30, 100 14, 200 7, 500 4, 500	Crowns 6, 416, 700 10, 254, 900 3, 061, 050 1, 345, 894 3, 196, 142 385, 000 579, 000 708, 000 426, 000 204, 000 189, 000	

EXPORTS OF BELTING FROM CZECHOSLOVAKIA, BY CLASSES

In the leather belting export trade in 1923 Austria, Germany, the United Kingdom, and Lithuania were the leading markets, in that order. By 1930 the trade had shifted to make Yugoslavia, Italy, Poland, and Germany the new leaders. Yugoslavia has yielded first place to Austria in the rubber belting field, and to British India in cotton, flax, and hair belting. The following tables show Czechoslovakia's trade in belting, by countries and classes, for 1925-1930.

EXPORTS OF LEATHER BELTING FROM CZECHOSLOVAKIA, BY COUNTRIES

Country of destination	1	925	1	926	19	27
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
ugoslavia ulgaria	<i>Kilos</i> 14, 871 9, 323 5, 141	Crowns 1, 072, 482 739, 233 254, 503	Kilos 31, 300 4, 100 1, 700	Crowns 3, 047, 000 274, 000 85, 000	Kilos 30,000 2,000 4,500	Crowna 1, 856, 00 131, 00
lungary	3,017	87,040	1,000	46,000	1,000	216,00 57,00
oland	2, 495	143, 125	3,600	223, 000	7,500	467,00
lumania	1,796	115, 334	2,500 1,700	161,000	3, 500	194,00
ustriataly_taly	1, 630 1, 259	92, 295 59, 055	600	93, 000 35, 000	6, 200 3, 000	399,00 192,00
ermany	1, 102	64, 277	1, 500	96,000	2,600	167, 0
urkey	458	23, 650	300	14,000	200	8,0
Denmark Danzig	446	31,000 15,500				
atvia	243	14,000	400	26,000	400	23, 0
laiti and Santo Domingo	85	6, 100				
ersia. Inion of Soviet Socialist Republics			900	43, 000	400	23, 0
lorway			200		100	20,0
ithuania			400	24, 000	1, 900	122, 0
rieste			300 200	20,000	400	20, 0
gypt			100	9,000 7,000	500	31, 0
rabia Istonia			100	6,000		
nited Kingdom	[100	5,000		
weden Iamburg			100 100	5, 000 3, 000		
inland			100	3,000		
nited States					1, 300	90, 0
ritish India.					600	26,0
elgium witzerland					100	7, 0
rgentina						
olombia						
hile						
razilther_ther	81	5, 053	100	1,000	100	8,0
Total	42, 277	2, 722, 647	51, 100	3, 047, 000	66, 200	4, 037, 0
		928		929		30
Country of destination						
	Quantity	Value	Quantity	Value	Quantity	Value
ugoslavia	Kilos					
		Crowns	Kilos	Crowns	Kilos	Crown
nlgaria	22,900	1, 607, 000	40.400	2, 548, 000	Kilos 40, 400 2 200	2, 436, 0
ulgaria	22,900	Crowns 1, 607, 000 439, 000 221, 000	40, 400 9, 500 3, 700	2, 548, 000	Kilos 40, 400 2, 200 1, 600	2, 436, 0
Bulgaria Preece Lungary		1, 607, 000 439, 000	40, 400 9, 500 3, 700 1, 100	2, 548, 000	40, 400 2, 200 1, 600 300	2, 436, 0 122, 0 83, 0 22, 0
ulgaria reece lungary oland	22, 900 6, 400 4, 100 8, 000	1, 607, 000 439, 000 221, 000 442, 000	40, 400 9, 500 3, 700 1, 100 6, 400	2, 548, 000 525, 000 195, 000 78, 000 424, 000	40, 400 2, 200 1, 600 300 3, 900	2, 436, 0 122, 0 83, 0 22, 0 242, 0
ulgaria reece	22, 900 6, 400 4, 100 8, 000	1, 607, 000 439, 000 221, 000 442, 000 96, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000	40, 400 2, 200 1, 600 300 3, 900 700	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0
ulgaria recce Jungary oland umania ustria aly	22, 900 6, 400 4, 100 8, 000 1, 700 11, 300 7, 800	1, 607, 000 439, 000 221, 600 442, 000 96, 000 833, 000 504, 000	40, 400 9, 500 3, 709 1, 100 6, 400 800 1, 500 28, 700	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000	40, 400 2, 200 1, 600 300 3, 900 700 1, 700 14, 300	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0
ulgaria recce Jungary Jand Jumania ustria aly ermany	22, 900 6, 400 4, 100 8, 000 1, 700 11, 300 7, 800 2, 300	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 2, 500	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 171, 000	40, 400 2, 200 1, 600 300 3, 900	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0
ulgaria reece Jungary	22, 900 6, 400 4, 100 8, 000 1, 700 11, 300 7, 800 2, 300 200	1, 607, 000 439, 000 221, 600 442, 000 96, 000 833, 000 504, 000	40, 400 9, 500 3, 709 1, 100 6, 400 800 1, 500 28, 700	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000	40, 400 2, 200 1, 600 300 3, 900 700 1, 700 14, 300	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0
ulgaria Irecce Joland umania. ustria. aly ermany. 'urkey	22, 900 6, 400 4, 100 8, 000 1, 700 11, 300 7, 800 2, 300 200	1, 607, 000 439, 000 221, 000 442, 000 833, 000 504, 000 156, 000 16, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 2, 500 800	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 171, 000	40, 400 2, 200 1, 600 300 3, 900 700 1, 700 14, 300	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0
ulgaria. reece Lungary	22,900 6,400 4,100 8,000 1,700 11,300 7,800 2,300 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 2, 500 800	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 171, 000 61, 000	40, 400 2, 200 1, 600 300 3, 900 700 1, 700 14, 300	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0
ulgaria. Ireece. Joland. Jumania. ustria. taly. ermany. urkey. Panzig. atvia. atvia. atvia.	22,900 6,400 4,100 8,000 1,700 11,300 7,800 2,300 200	1, 607, 000 433, 000 221, 600 442, 000 96, 000 833, 000 504, 000 156, 000	40, 400 9, 500 1, 100 6, 400 1, 500 28, 700 28, 700 800 800 1, 500	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 171, 000 61, 000	40, 400 2, 200 3, 600 3, 900 700 1, 700 14, 300 3, 000	2, 436, 0 122, 0 83, 0 22, 0 40, 0 40, 0 103, 0 947, 0 164, 0
ulgaria. rece. .ungary	22,900 6,400 4,100 8,000 11,700 11,300 7,800 2,300 200	1, 607, 000 439, 000 221, 600 442, 000 96, 000 833, 600 504, 000 15, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 2, 500 800	2, 548, 000 525, 000 195, 000 78, 000 424, 000 96, 000 1, 835, 000 171, 000 61, 000	40, 400 2, 200 1, 600 3, 900 700 1, 700 14, 300 3, 000	2, 436, 0 122, 0 83, 0 22, 0 40, 0 40, 0 103, 0 947, 0 164, 0
ulgaria. recee Lungary	22,900 6,400 4,100 8,000 11,300 7,800 7,800 2,300 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 28, 700 800 800 1, 500	2, 548, 000 525, 000 195, 000 78, 000 424, 000 96, 000 1, 835, 000 171, 000 61, 000	40, 400 2, 200 3, 600 3, 900 700 1, 700 14, 300 3, 000	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0
ulgaria. recce. uungary	22,900 6,400 4,100 8,000 11,300 7,800 2,300 200 	1, 607, 000 439, 000 221, 600 442, 000 96, 000 833, 600 504, 000 15, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 800 800 	2, 548, 000 525, 000 195, 000 78, 000 96, 000 96, 000 1, 835, 000 1, 835, 000 171, 000 61, 000 96, 000 225, 000	40, 400 2, 200 300 3, 900 1, 700 1, 700 14, 300 3, 000 	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 22, 0 20, 0
ulgaria. reece	22,900 6,400 8,000 1,700 11,300 7,800 2,300 200 	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 28, 700 800 800 1, 500	2, 548, 000 525, 000 195, 000 78, 000 424, 000 96, 000 1, 835, 000 171, 000 61, 000	40, 400 2, 200 300 3, 900 1, 700 1, 700 14, 300 3, 000 	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 22, 0 20, 0
ulgaria recce 	22,900 6,400 8,000 1,700 11,300 2,300 2,300 200 	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 800 800 	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 1, 835, 000 171, 000 61, 000 96, 000 225, 000	40, 400 2, 200 300 3, 900 1, 700 1, 700 14, 300 3, 000 	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0
ulgaria recce 	22,900 6,400 8,000 1,700 11,300 2,300 2,300 200 	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 28, 700 28, 700 28, 700 800 800 800 800 800	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 171, 000 61, 000 	40, 400 2, 200 1, 600 300 700 1, 700 14, 300 3, 000 	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 20, 0 29, 0
ulgaria. reoce. ungary	22,900 6,400 4,100 8,000 1,700 1,700 7,800 2,300 200 200 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000 47, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 28, 700 28, 700 28, 700 28, 700 28, 700 28, 700 28, 700 300 300	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 171, 000 61, 000 96, 000 25, 000 25, 000	40, 400 2, 200 300 3, 900 700 14, 300 3, 000 14, 300 3, 000 3, 000 14, 300 3, 000 3, 000 3, 000 3, 000 3, 000 1, 1, 100 3, 1, 100 1,	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 104, 0 104, 0 164, 0 21, 0 20, 0 29, 0 29, 0 96, 0
ulgaria. recce	22,900 6,400 4,100 8,000 11,300 7,800 2,300 2200 	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000 47, 000 47, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 28, 700 28, 700 28, 700 800 800 	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 171, 000 61, 000 96, 000 96, 000 25, 000 25, 000 111, 000 88, 000	40, 400 2, 200 300 700 1, 600 3, 900 700 14, 300 3, 000 	2, 436, 0 122, 0 83, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 22, 0 22, 0 23, 0 24, 0 164, 0 20, 0 29, 0 20, 0 24, 0, 0 24, 0
ulgaria. rece: uungary	22,900 6,400 4,100 8,000 1,700 1,700 7,800 2,300 200 200 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000 47, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 28, 700 28, 700 28, 700 28, 700 28, 700 28, 700 28, 700 300 300	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 171, 000 61, 000 96, 000 25, 000 25, 000	40, 400 2, 200 300 3, 900 700 14, 300 3, 000 14, 300 3, 000 3, 000 14, 300 3, 000 3, 000 3, 000 3, 000 3, 000 1, 1, 100 3, 1, 100 1,	2, 436, 0 122, 0 83, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 20, 0 29, 0 28, 0 28, 0 28, 0 29, 0 29, 0 29, 0 29, 0 28, 0 29, 0 20, 00, 00, 00, 00, 00, 00,
ulgaria recce 	22,900 6,400 8,000 1,700 7,800 2,300 200 200 200 200 200 200 200 200 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000 47, 000 47, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 28, 700 28, 700 20, 70	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 171, 000 61, 000 25, 000 25, 000 11, 000 88, 000 76, 000	40, 400 2, 200 1, 600 300 700 1, 700 14, 300 3, 000 	2, 438, 0 122, 03, 0 83, 0 222, 0 242, 0 40, 0 103, 0 947, 0 947, 0 164, 0 73, 0 21, 0 22, 0 22, 0 22, 0 22, 0 29,
ulgaria. rece: .uungary	22,900 6,400 8,000 1,700 7,800 2,300 200 200 200 200 200 200 200 200 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000 47, 000 47, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 28, 700 28, 700 28, 700 800 800 	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 171, 000 61, 000 96, 000 96, 000 25, 000 25, 000 111, 000 88, 000	40, 400 2, 200 300 700 1, 600 3, 900 700 14, 300 3, 000 3, 000 1, 1, 000 1, 1, 000 1, 000 3, 000 1,	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 20, 0 21, 0 20, 0 21, 0 20, 0 21, 0 23, 0 23, 0 34, 0 33, 0
ulgaria. reece. 	22,900 6,400 8,000 1,700 7,800 2,300 200 200 200 200 200 200 200 200 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000 47, 000 47, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 28, 700 28, 700 20, 70	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 171, 000 61, 000 25, 000 25, 000 11, 000 88, 000 76, 000	40, 400 2, 200 1, 600 300 700 1, 700 14, 300 3, 000 	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 20, 0 21, 0 20, 0 21, 0 20, 0 21, 0 23, 0 23, 0 34, 0 33, 0
ulgaria. rece: uunania. ustria. taly. termany. urkey. enmark. anzig. atvia	22,900 6,400 8,000 1,700 7,800 2,300 200 200 200 200 200 200 200 200 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 833, 000 504, 000 156, 000 16, 000 47, 000 47, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 2, 500 800 1, 500 	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 96, 000 96, 000 25, 000 25, 000 25, 000 111, 000 88, 000 76, 000	40, 400 2, 200 300 700 1, 600 3, 900 700 14, 300 3, 000 3, 000 1, 1, 000 1, 1, 000 1, 000 3, 000 1,	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 20, 0 29, 0
ulgaria. Ireece Lungary	22,900 6,400 8,000 1,700 11,300 2,300 200 200 600 400 1,300 1,300 1,300 1,300 1,300 1,00 2,600	1, 607, 000 439, 000 221, 000 442, 000 96, 000 156, 000 156, 000 16, 000 16, 000 17, 000 17, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 28, 700 28, 700 20, 70	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 1, 835, 000 171, 000 61, 000 25, 000 25, 000 11, 000 88, 000 76, 000	40, 400 2, 200 1, 500 300 700 1, 700 14, 300 3, 000 3, 000 1, 1, 100 1, 100 1, 100 1, 100	2, 436, 0 122, 0 833, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 22, 0 164, 0 164, 0 21, 0 20, 0 22, 0 20, 0 21, 0 20,
ulgaria. recee. Lungary	22,900 6,400 8,000 1,700 7,800 2,300 2,300 200 200 200 200 200 200 200 200 200	1, 607, 000 439, 000 221, 000 442, 000 96, 000 504, 000 156, 000 16, 000 47, 000 47, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 28, 700 2, 500 800 	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 171, 000 61, 000 96, 000 25, 000 25, 000 111, 000 88, 600 76, 000 15, 000	40, 400 2, 200 3, 500 700 1, 600 3, 900 700 14, 300 3, 000 3, 000	2, 436, 0 122, 0 83, 0 22, 0 22, 0 242, 0 40, 0 103, 0 947, 0 164, 0 73, 0 21, 0 21, 0 21, 0 20, 0 21, 0 20, 0 21, 0 34, 0 34, 0 33, 0 41, 0
ulgaria. recee. Lungary	22,900 6,400 8,000 1,700 11,300 2,300 200 200 600 400 1,300 1,300 1,300 1,300 1,300 1,00 2,600	1, 607, 000 439, 000 221, 000 442, 000 96, 000 156, 000 156, 000 16, 000 16, 000 17, 000 17, 000	40, 400 9, 500 3, 700 1, 100 6, 400 800 1, 500 28, 700 2, 500 800 1, 500 	2, 548, 000 525, 000 195, 000 78, 000 424, 000 52, 000 96, 000 96, 000 96, 000 25, 000 25, 000 25, 000 111, 000 88, 000 76, 000	40, 400 2, 200 1, 500 300 700 1, 700 14, 300 3, 000 3, 000 1, 1, 100 1, 100 1, 100 1, 100	2, 436, 0 122, 0 83, 0 22, 0 242, 0 40, 0 103, 0 947, 0 947, 0 164, 0 73, 0 21, 0 229, 00 229, 00 229, 00 229, 00 239, 00 34, 0 33, 0 41, 0

EXPORTS OF RUBBER AND BALATA BELTING FROM CZECHOSLOVAKIA

Country of destingtion	1	925	1	926	192	27
Country of destination	Quantity	Value	Quantity	Value	Quantity	Value
	Kilos	Crowns	Kilos	Crowns	Kilos	Crowns
Germany	10, 643	416, 966	37, 800	1,658,000	44, 800	1, 917, 000
Austria	9,035	455, 189	27, 300	1, 102, 000	14, 400	626,000
Italy	8,037	330, 526	14, 400	582,000	8,600	361,000
United States	7, 510	364, 791	7,800	351,000	5, 100	234,000
Sweden	6,026	245, 179	900	40,000	1,000	44,000
United Kingdom	5, 515	213, 519	20, 500	859,000	45, 500	1, 844, 000
Denmark.	5, 453	219, 541	17,000	761,000	3,300	141,000
Bulgaria.	3,906	168, 926	1,100	43,000	1,000	43,000
Finland	3,884	140, 907	3, 200	125, 000	400	18,000
Brazil						· · · · · · · · · · · · · · · · · · ·
Estonia.	3, 213	132, 814				-
Portugal Rumania	2,989	105, 997	4, 500	212,000	4,800	193, 000
Poland	1, 278	56,780	900	68,000	4,100	170,000
Trieste	1, 2:0	00,100	500	00,000	3,100	110,000
Yugoslavia	1,077	57, 159	1,200	60,000	2,000	95,000
Switzerland	601	24, 255	100	4,000	300	13,000
Belgium	499	21,463	200	8,000		
France					600	18, 000
Greece	453	18, 174] 30]	1,000
Lithuania		11 000				
Turkey Netherlands	295 292	11,926	400	19,000	300	11,000
Palestine	292	12, 344	400	19,000	300	11,000
Latvia	126	6,094	500	23,000		
China	120					
Hamburg	18	520	900	38,000	15, 500	665,000
Egypt			100	5,000		
Others						
Total	70, 850	3,003,068	138,800	5, 957, 000	151,700	6, 397, 000
Country of destination	1	928	1	929	19	30
Country of descination	Quantity	Value	Quantity	Value	Quantity	Value
_	Kilos	Crowns	Kilos	Crowns	Kilos	Crowns
Germany	40,800					
		1, 718, 000	39,200	1,506,000	13,100	443,000
Austria	9,900	408,000	31,600	1, 207, 000	34,200	1, 304, 000
Italy		1, 718, 000 408, 000 222, 000	39, 200 31, 600 4, 400	1, 506, 000 1, 207, 000 175, 000	34, 200 400	1, 304, 000 14, 000
Italy United States	9, 900 5, 200	408,000 222,000	31, 600 4, 400	1, 207, 000 175, 000	34, 200 400 500	1, 304, 000 14, 000 33, 000
Italy United States Hungary	9,900 5,200 2,300	408,000 222,000 110,000	31,600	1, 207, 000 175, 000 121, 000	34, 200 400 500 1, 900	1, 304, 000 14, 000 33, 000 88, 000
ItalyUnited States Hungary Sweden	9,900 5,200 2,300 3,700 36,500	408,000 222,000	31, 600 4, 400 2, 700	1, 207, 000 175, 000	34, 200 400 500	1, 304, 000 14, 000 33, 000
Italy United States Hungary Sweden United Kingdom Denmark	9,900 5,200 2,300 3,700 36,500 1,600	408,000 222,000 110,000 148,000 1,473,000 70,000	31, 600 4, 400 2, 700 400 9, 300 700	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000	34, 200 400 500 1, 900 1, 000 3, 900 18, 300	1, 304, 000 14, 000 33, 000 88, 000 30, 000 135, 000 566, 000
Italy United States Hungary Sweden United Kingdom Denmark Bulgaria	9,900 5,200 2,300 3,700 36,500 1,600 2,500	408, 000 222, 000 110, 000 148, 000 1, 473, 000 70, 000 110, 000	31, 600 4, 400 2, 700 400 9, 300	1, 207, 000 175, 000 121, 000 27, 000 346, 000	34, 200 400 500 1, 900 1, 000 3, 900 18, 300 900	1, 304, 000 14, 000 33, 000 88, 000 30, 000 135, 000 566, 000 29, 000
Italy. United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Finland	9,900 5,200 2,300 3,700 36,500 1,600	408,000 222,000 110,000 148,000 1,473,000 70,000	31, 600 4, 400 2, 700 400 9, 300 700	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000	34, 200 400 500 1, 900 3, 900 18, 300 900 1. 500	1, 304, 000 14, 000 33, 000 88, 000 30, 000 135, 000 566, 000 29, 000 45, 000
Italy	9,900 5,200 2,300 3,700 36,500 1,600 2,500 1,000	408, 000 222, 000 110, 000 148, 000 1, 473, 000 70, 000 110, 000	31, 600 4, 400 2, 700 400 9, 300 700	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000	34, 200 400 500 1, 900 1, 000 3, 900 18, 300 900	1, 304, 000 14, 000 33, 000 88, 000 30, 000 135, 000 566, 000 29, 000
Italy United States Hungary Sweden United Kingdom Denmark Bulgaria Finland Brazil Estonia	9,900 5,200 2,300 3,700 36,500 1,600 2,500 1,000	408, 000 222, 000 110, 000 148, 000 1, 473, 000 70, 000 110, 000	31, 600 4, 400 2, 700 400 9, 300 700	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000	34, 200 400 500 1, 900 3, 900 18, 300 900 1. 500 400	$1, 304, 000 \\ 14, 000 \\ 33, 000 \\ 88, 000 \\ 30, 000 \\ 135, 000 \\ 566, 000 \\ 29, 000 \\ 45, 000 \\ 19, 000 \\ 19, 000 \\ 10$
Italy. United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Frinland. Brazil. Estonia. Portugal.	9,900 5,200 2,300 3,700 36,500 1,600 2,500 1,000	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000	31, 600 4, 400 2, 700 9, 300 700 4, 600	1, 207, 000 175, 000 121, 000 27, 006 346, 000 30, 000 182, 000	34, 200 400 500 1, 900 3, 900 18, 300 900 1. 500 400	1, 304, 000 14, 000 33, 000 88, 000 135, 000 566, 000 29, 000 19, 000 12, 000
Italy. United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Finland. Brazil. Estonia. Portugal. Rumania.	9,900 5,200 2,300 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 2, 700 9, 300 700 4, 600 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 196, 000	34, 200 400 500 1, 900 3, 900 18, 300 900 1. 500 400	1, 304, 000 14, 000 33, 000 88, 000 135, 000 29, 000 45, 000 19, 000 122, 000 123, 000
Italy United States Hungary Sweden United Kingdom Denmark. Bulgaria Finland Frazil Estonia. Portugal. Rumania. Poland Trieste	9,900 5,200 2,300 3,700 36,500 1,600 2,500 1,000	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000	31, 600 4, 400 2, 700 9, 300 700 4, 600	1, 207, 000 175, 000 121, 000 27, 000 346, 000 382, 000 182, 000 182, 000 171, 000	34, 200 400 500 1, 900 1, 000 3, 900 18, 300 900 1, 500 400 2, 900 700	1, 304, 000 14, 000 33, 000 88, 000 135, 000 566, 000 29, 000 19, 000 12, 000
Italy United States Hungary Sweden United Kingdom Denmark Bulgaria Finland Brazil Estonia Portugal Rumania Poland Trieste Yugoslavia	9,900 5,200 3,700 3,700 3,700 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 148,000 10,000 43,000 43,000 75,000 71,000	31, 600 4, 400 2, 700 9, 300 700 4, 600 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 196, 000	34, 200 400 500 1, 900 1, 000 3, 900 18, 300 900 1, 500 400 400 2, 900	1, 304, 000 14, 000 33, 000 88, 000 135, 000 29, 000 45, 000 19, 000 122, 000 123, 000
Italy. United States. Hungary. Sweden. Denmark. Bulgaria. Finland. Brazil. Estonia. Portugal. Rumania. Poland. Trieste. Yugoslavia. Switzerland.	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 9, 300 700 4, 600 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 382, 000 182, 000 182, 000 171, 000	34, 200 400 500 1, 900 3, 900 18, 300 18, 300 1, 500 400 2, 900 700 	1, 304, 000 14, 000 33, 000 88, 000 135, 000 566, 000 29, 000 45, 000 19, 000 122, 000 123, 000 50, 000
Italy. United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Finland. Brazil. Estonia. Portugal Rumania. Poland. Trieste Yugoslavia. Switzerland. Belgium.	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 182, 000 171, 000 122, 000	34, 200 500 1, 900 3, 900 18, 300 900 400 400 2, 900 700 1, 500 1, 500	1, 304, 000 14, 000 33, 000 88, 000 30, 000 135, 000 566, 000 29, 000 12, 000 123, 000 61, 000 -21, 000
Italy. United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Finland. Brazil. Estonia. Portugal. Rumania. Poland. Trieste. Yugoslavia. Switzerland. Belgium. France.	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 9, 300 700 4, 600 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 382, 000 182, 000 182, 000 171, 000	34, 200 400 500 1, 900 3, 900 18, 300 18, 300 1, 500 400 2, 900 700 	1, 304, 000 14, 000 33, 000 88, 000 135, 000 566, 000 29, 000 45, 000 19, 000 122, 000 123, 000 50, 000
Italy. United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Finland. Brazil. Estonia. Portugal. Rumania. Poland. Trieste. Yugoslavia. Switzerland. Belgium. France. Greece.	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 182, 000 171, 000 122, 000	34, 200 400 500 1, 900 1, 900 3, 900 1, 500 400 2, 900 700 	1, 304, 000 14, 000 33, 000 88, 000 30, 000 135, 000 29, 000 45, 000 12, 000 123, 000 50, 000 61, 000 21, 000 240, 000
Italy United States	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 182, 000 171, 000 122, 000	34, 200 500 1, 900 3, 900 18, 300 900 400 400 2, 900 700 1, 500 1, 500	1, 304, 000 14, 000 33, 000 88, 000 30, 000 135, 000 566, 000 29, 000 12, 000 123, 000 61, 000 -21, 000
Italy United States	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 182, 000 171, 000 122, 000	34, 200 400 500 1, 900 1, 900 3, 900 1, 500 400 2, 900 700 	1, 304, 000 14, 000 33, 000 33, 000 38, 000 38, 000 135, 000 135, 000 135, 000 19, 000 12, 000 50, 000 50, 000 21, 000 240, 000
Italy. United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Finland. Brazil. Estonia. Portugal. Rumania. Poland. Trieste. Yugoslavia. Switzerland. Belgium. France. Greece.	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 182, 000 171, 000 122, 000	34, 200 400 500 1, 900 1, 900 3, 900 1, 500 400 2, 900 700 1, 500 	1, 304, 000 14, 000 33, 000 33, 000 38, 000 38, 000 135, 000 135, 000 135, 000 19, 000 12, 000 50, 000 50, 000 21, 000 240, 000
Italy. United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Finland. Brazil. Estonia. Portugal. Rumania. Poland. Trieste. Yugoslavia. Switzerland. Belgium. France. Greece. Lithuania. Turkey. Netherlands. Palestine. Palestine.	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 182, 000 171, 000 122, 000	34, 200 500 1, 900 1, 900 1, 900 3, 900 400 2, 900 700 	1, 304, 000 14, 000 33, 000 33, 000 38, 000 38, 000 135, 000 135, 000 135, 000 12, 000 12, 000 12, 000 12, 000 50, 000 61, 000 57, 000 57, 000
Italy United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Frinland. Brazil. Estonia. Portugal. Rumania. Poland. Trieste. Yugoslavia. Switzerland. Belgium. France. Greece. Lithuania. Turkey. Netherlands. Palestine. Latvia. China.	9,900 5,200 2,300 3,700 36,500 1,600 2,500 1,000 500 1,400	408,000 222,000 110,000 148,000 1,473,000 70,000 43,000 	31, 600 4, 400 2, 700 9, 300 700 4, 600 4, 600 4, 100 2, 900 4, 300	1, 207, 000 175, 000 175, 000 27, 000 346, 000 182, 000 182, 000 171, 000 171, 000 122, 000	34, 200 500 1, 900 3, 900 18, 300 18, 300 1500 400 400 2, 900 7, 000 7, 000 2, 200 2, 200 300	1, 304, 000 14, 000 33, 000 33, 000 38, 000 38, 000 135, 000 135, 000 135, 000 12, 000 12, 000 12, 000 12, 000 50, 000 61, 000 57, 000 57, 000
Italy United States Hungary Sweden United Kingdom Denmark Bulgaria Finland Brazil Estonia Portugal Rumania Poland Trieste Yugoslavia Switzerland Belgium France Greece Lithuania. Turkey Netherlands Palestine Latvia China.	9,900 5,200 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 110,000 43,000 	31, 600 4, 400 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 182, 000 171, 000 122, 000	34, 200 500 1, 900 1, 900 1, 900 3, 900 1, 500 400 2, 900 700 	1, 304, 000 14, 000 33, 000 33, 000 38, 000 38, 000 135, 000 135, 000 135, 000 19, 000 12, 000 50, 000 50, 000 21, 000 240, 000
Italy United States. Hungary. Sweden. United Kingdom. Denmark. Bulgaria. Finland. Brazil. Estonia. Portugal. Rumania. Poland. Trieste. Yugoslavia. Switzerland. Belgium. France. Greece. Lithuania. Turkey. Netherlands. Palestine. Latvia. China. Hamburg. Egypt.	9, 900 5, 200 2, 300 3, 700 36, 500 1, 600 2, 500 1, 000 2, 500 1, 000 2, 000 2, 000 1, 400 	408,000 222,000 110,000 148,000 1,473,000 70,000 43,000 75,000 71,000 63,000 	31, 600 4, 400 9, 300 9, 300 4, 600 	1, 207, 000 175, 000 121, 000 27, 000 346, 000 30, 000 182, 000 1996, 000 171, 000 122, 000 122, 000	34, 200 500 1, 900 3, 900 3, 900 400 400 2, 900 700 1, 500 	1, 304, 000 14, 000 33, 000 33, 000 33, 000 135, 000 135, 000 135, 000 135, 000 19, 000 19, 000 123, 000 50, 000 50, 000 51, 000 21, 000 240, 000 57, 000 10, 000 307, 000 307, 000
Italy United States	9,900 5,200 2,300 3,700 36,500 1,600 2,500 1,000 	408,000 222,000 110,000 148,000 1,473,000 70,000 43,000 	31, 600 4, 400 2, 700 9, 300 700 4, 600 4, 600 4, 100 2, 900 4, 300	1, 207, 000 175, 000 175, 000 27, 000 346, 000 182, 000 182, 000 171, 000 171, 000 122, 000	34, 200 500 1, 900 3, 900 18, 300 18, 300 1, 500 400 400 2, 900 7, 700 7, 000 7, 000 2, 200 300 300	1, 304, 000 14, 000 33, 000 33, 000 38, 000 38, 000 135, 000 135, 000 135, 000 12, 000 12, 000 12, 000 12, 000 50, 000 61, 000 57, 000 57, 000

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SWEDEN

Swedish exports of machinery belting are small but well diversified. They average about one-half of 1 per cent of the total world trade of this sort; having averaged about 65,000 kilos annually before the war, dropped to half of that in 1919, rose to over 90,000 in 1923, and are now slightly above the pre-war level, as the accompanying table shows.

Year	Quantity		Value	Year	Qu	Value	
1 647	Kilos	Pounds	(crowns) •) rear	Kilos	Pounds	(crowns)
1912	62, 462 68, 739 33, 684 41, 728 50, 066 71, 190 94, 031	137, 670 151, 500 74, 239 91, 968 110, 345 156, 902 207, 244	206, 890 248, 577 384, 212 588, 630 418, 041 422, 084 505, 586	1924 1925	74, 298 70, 868 47, 015 58, 684 65, 621 71, 273 79, 919	163, 752 156, 193 103, 621 129, 339 144, 628 157, 085 176, 141	369, 451 340, 511 257, 345 263, 419 289, 738 327, 679 347, 334

TOTAL EXPORTS OF BELTING FROM SWEDEN

Swedish exports of rubber and balata belting have doubled since before the war, but the volume of the other classes is now at about the 1912 level. The following table shows the volume of the export trade for 1912, 1913, and 1919 through 1930. Rubber belting is the most important among the classes exported, amounting to about one-half of the total in recent years.

EXPORTS OF BELTING FROM SWEDEN, BY CLASSES

Year	Rubber		Cotton		Hair		Leather	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Kilos	Crowns	Kilos	Crowns	Kilos	Стоила	Kilos	Стоюля
1912	21, 743	76, 101	36, 718	110, 154	342	1.026	3.661	19,60
1913		76, 552	37, 206	120, 920	2, 495	8, 109	7,166	42, 996
1919	9, 374	111, 453	22, 298	234, 297	1, 239	20,737	773	17, 92
1920	12,079	141, 227	19,460	216, 087	5,331	70, 250	4,858	119, 339
1921	28,464	221,836	12,378	97,646	7, 529	76, 134	1, 695	22, 42
1922	40,827	250, 345	18,717	84, 897	8,267	48, 303	3 379	38, 034
1923	53, 889	301, 932	21, 368	90, 549	15, 379	81, 865	3, 395	31, 24
1924	45, 257	194, 906	12,196	55, 879	5,786	32, 436	11,059	86, 234
1925	47,710	220, 333	17, 253	74, 085	3, 196	19, 544	2,709	26, 549
1926	25, 220	144, 368	15 293	60, 280	3, 781	21, 715	2,721	30, 98
1927	28,678	133, 965	24, 512	78, 585	2,406	12, 859	3,088	38, 01
1928	31,348	150, 403	25, 308	88, 667	7,743	40, 442	1,222	10, 24
1929		171,849	25, 178	87,949	6,985	43,085	2,595	24, 79
1930	40, 957	186, 072	34, 746	123, 437	1, 200	12,974	3,016	24, 85

Swedish export trade in belting is principally with Scandinavian and Baltic countries, there being few shipments of importance to countries outside of Europe and the Mediterranean area. Norway is now the largest market for Swedish rubber belting, having displaced Denmark which held that place in 1922. Finland is the chief destination for cotton belting; Norway takes the greatest share of hair belting; and Egypt has pushed Russia from the rank of largest consumer of leather belting. The destinations of exports in 1922 and 1929 are shown in the following tables.

				192	9			
Country of destination	Ru	ıbber	Col	tton	н	air	Lea	ther
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
Norway	Kilos 13, 636 7, 628	Crowns 63, 002 27, 126	Kilos 5, 283 1, 580	Crowns 19, 589 5, 771	Kilos 1, 918	Crowns 11, 312	Kilos (¹)	Crowns (1)
Finland Latvia	3, 211 5, 980	16, 947 23, 862	6, 879	24, 593	1, 340	7, 624	862 280	10, 348 2, 234
Lithuania Russia Germany	1, 096	8, 258	3, 960	14, 341	1, 396 	7, 413 		
Poland United Kingdom	825	3, 600			1, 285	9, 278		
Spain Switzerland	500 1, 349	4, 555 8, 200	575	3, 020				
Netherlands Austria Egypt	620	4, 139	6, 195	17, 572			1,060	9, 110
Brazil. Other	216 1, 454	2, 250 9, 910	706	3, 063	1, 046	7, 458	393	3, 104
Total	36, 515	171, 849	25, 178	87, 949	6, 985	,43, 085	2, 595	24, 796
	1922							
Norway Denmark Finland	5, 711 26, 997 2, 735 1, 876	36, 013 161, 015 21, 306 12, 245	3, 290 1, 323 3, 332 (¹)	13, 882 5, 977 16, 005 (¹)	745 519 2, 942 (1)	4, 119 2, 212 20, 161 (¹)	(1) (1) 288 (1)	(1) (1) 3,678 (1)
Estonia. Russia. Latvia. Netherlands. Other countries.	1,876 (¹) 2,376 960 172	12, 245 (¹) 13, 968 5, 160 1, 078	3, 496 951 6, 141 184	11, 935 4, 674 30, 765 1, 659	(1) 2, 912 933 (1) 216	16, 030 4, 300 (¹) 1, 486	2, 991 (¹) (¹) 100	(1) 32,637 (1) (1) 1,719
Total	40, 827	250, 845	18, 717	84, 897	8, 267	43, 308	3, 379	38, 034

EXPORTS OF BELTING FROM SWEDEN, BY COUNTRIES AND CLASSES

¹ Included in "Other countries."

NORWAY

Though Norway has a relatively small export trade in belting, averaging about 1 per cent of the world total trade in this commodity, the balata belting, which is the class most produced in the country, has an excellent reputation for quality. Norwegian balata and rubber belting has had an established position in several markets for many years, both as transmission and conveyer types. Leather belting is also manufactured in Norway, but the amount exported is not large. While not likely to become an important competitive factor in world trade, Norwegian competition in balata belting amounts to about 2.5 per cent of the world total, and is a factor to be reckoned with in the Scandinavian and Baltic States. Before the World War total belting exports averaged about 170,000 kilos. The readjustments following the war brought this down sharply, and it was not until 1927 that the level was again reached, as the following table shows.

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Year	Quantity		Value	Year	Quar	Value	
Iear	Kilos	Pounds	(crowns)	' '	Kilos	Pounds	(crowns)
1912. 1913. 1919. 1920. 1921. 1922. 1923.	168, 800 172, 704 40, 760 101, 251 37, 007 76, 676 111, 348	372, 035 380, 639 89, 835 223, 157 81, 563 168, 993 245, 410	506, 400 518, 100 611, 400 1, 721, 300 481, 100 924, 070 1, 264, 865	1924 1925 1926 1927 1928 1929 1930	118, 980 152, 880 155, 947 194, 456 178, 314 220, 011 129, 136	262, 231 336, 947 343, 707 428, 581 393, 004 484, 904 284, 615	1, 585, 620 1, 736, 482 1, 370, 149 1, 396, 767 1, 207, 315 1, 492, 777 844, 881

TOTAL EXPORTS OF BELTING FROM NORWAY

Leather belting exports from Norway were first officially reported in 1922, but never reached any great size, and since 1924 have declined to a fractional percentage of those in rubber and balata. The following table shows exports of leather, as well as rubber and balata, belting from Norway, for 1912, 1913, and 1919 through 1930.

	Exports	OF	BELTING	FROM	NORWAY,	BY	CLASSES
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	Balata and rubber		Leather			Balata and rubber		Leather	
Year	Quan- tity	Value	Quan- tity	Value	Year	Quan- tity	Value	Quan- tity	Value
1912 1913 1919 1920 1921 1922 1922 1923	Kilos 168, 800 172, 704 40, 760 101, 251 37, 007 72, 306 108, 775	Crowns 506, 400 518, 100 611, 400 1, 721, 300 481, 100 861, 253 1, 231, 528	Kilos 4, 370 2, 573	C70wns 	1924 1925 1926 1927 1928 1928 1929 1930	Kilos 113, 359 150, 854 155, 576 194, 137 177, 822 219, 284 128, 729	Crowns 1, 516, 700 1, 707, 080 1, 365, 250 1, 392, 910 1, 200, 819 1, 484, 212 839, 092	Kilos 5, 621 2, 035 371 319 492 727 407	Crowns 68, 920 29, 402 4, 899 3, 857 6, 496 8, 565 5, 789

Great Britain is the largest purchaser of Norwegian rubber and balata belting, followed by Sweden, Austria, and Denmark, in that order. This trade is well established, and its destinations have changed little in the past 10 years. Sweden dominates the small leather belting trade, with Iceland and Finland following. The tables following show the exports of rubber and balata belting from Norway, by classes, for 1922 and 1930, and of leather belting for 1930.

EXPORTS OF RUBBER AND BALATA BELTING FROM NORWAY, BY COUNTRIES

Country	1922	1930	Country	1922	1930
Sweden: By land. By sea. Denmark. Liceland. Lithuania. Russia. Netherlands. Great Britain.	Kilos 17, 500 8, 500 6, 890 8, 500 18, 100	Kilos 30, 757 4, 034 12, 623 1, 142 4, 306 1, 268 34, 748	Latvia. Italy Austria. Brazil Other South America. Other. Total.	10, 300	Kilos 3, 212 26, 850 5, 197 1, 888 2, 704 128, 729

Country	1930	Country	1930
Sweden Iceland Finland Great Britain	Kilos 186 75 72 47	Other	Kilos 27 407

EXPORTS OF LEATHER BELTING FROM NORWAY

DENMARK

Denmark is of much greater importance as a market for machinery belting than as a competitor in the export trade. Limited amounts of leather, balata, and hair belting are, however, exported from the country to near-by European markets, amounting in all to about 0.2 per cent of world belting trade. The statistics covering these exports are definite only for leather belting; the other classes being reported under general classifications, but making up the majority of exports under their respective headings. The following table shows the officially reported annual volume of domestic exports from 1919 through 1930.

TOTAL EXPORTS OF BELTING FROM DENMARK

Year	Quantity		Year	Quantity	
1919. 1920. 1921. 1922. 1923. 1924.	Kilos 16, 100 35, 300 11, 600 28, 600 26, 700 21, 800	Pounds 35, 484 77, 801 25, 566 63, 034 58, 846 48, 047	1925 1926 1927 1928 1929 1930	<i>Kilos</i> 32, 100 20, 600 40, 500 25, 800 19, 500 24, 700	Pounds 70, 748 45, 402 89, 262 56, 863 42, 978 54, 438

Except for 1920, when unusually heavy shipments of leather belting from Denmark occurred, balata and rubber belting is the most important class exported, amounting in 1930 to two-thirds of the total shipments. The following table shows exports of belting from Denmark, by classes, for the years 1919–1930.

EXPORTS OF BELTING FROM DENMARK, BY CLASSES, 1919-1930

Year	Leather	Balata, etc.	Hair	Year	Leather	Balata, etc.	Hair
1919 1920	Kilos 5, 400 25, 000	Kilos 6, 400 6, 000	Kilos 4, 300 4, 300	1925. 1926.	Kilos 1, 600	Kilos 30, 500 20, 600	Kilos
921 4,700 6,000 922 6,000 21,600 923 2,500 20,700 924 1,800 19,200	900 1, 000 3, 500 800	1927 1928 1929 1930	200 800 8, 900	40, 500 24, 400 18, 700 15, 800	1,200		

Germany is the largest consumer of Danish rubber and balata belting, followed in 1930 by Spain; these two countries taking more than 80 per cent of the total. As is to be expected, shipments are largely to Scandinavian and entirely to European countries, as is shown by the following table, covering 1923 and 1930.

			1923	-	
Country of destination		Leather	Balata, etc.	Hair, etc.	
Norway	<i>Kilos</i> 400 500 300 800 (1) (1) (1) (1) (1) (1) 500	<i>Kilos</i> 1, 200 (¹) (¹) 2, 500 1, 100 10, 200 3, 700 (¹) 2, 000	<i>Kilos</i> 30 1, 60 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
Total		2, 500	20, 700	3, 500	
		19	30		
Country of destination	Rubber and balata L		Lea	ather	
	Quantity	Value	Quantity	Value	
Germany	Kilos 8, 100 700	Crowns 35,000 3,000	Kilos	Crowns	
Sweden Iceland Poland and Danzig Spain	300 100 500 5, 500	1, 000 1, 000 3, 000 33, 000	8, 600 100	50, 000 1, 000	
Switzerland. Czechoslovakia Austria. Yugoslavia. Farce Islands.	100 100 300 100	1,000 1,000 1,000 1,000 1,000			
Estonia			100	1, 000	
Total	15, 800	81, 000	8, 800	52, 000	

DANISH EXPORTS OF BELTING, BY CLASSES AND COUNTRIES

Included with other countries.

JAPAN

Until 1921 leather belting was the only class reported in Japanese official export statistics; since 1921 woven beltings have also been reported. These two classes, however, are shown in combinations with hose made of the same materials, and, therefore, no accurate statistics covering belting alone are available. The trade is not extensive, and is confined to Far Eastern markets. The present volume of exports is about four times the pre-war figure and about equals the 1921 level. There was a sharp drop in the trade in 1923, 1924, and 1925, partly due to the disturbance in Japanese trade following the earthquake disaster. Japanese-made belting is not a leading competitor in the trade of any of the Far Eastern markets except possibly Japan itself.

TOTAL	EXPORTS	OF	Belting	FROM	JAPAN
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Year	Qua	ntity	Value	Year	Qua	Value	
rear	Kilos	Pounds	(yen)	Jear	Kilos	Pounds	(yen)
1912	42, 068 23, 373 82, 273 57, 687 170, 958 132, 863 108, 232	92, 717 51, 514 181, 329 127, 142 376, 791 292, 830 238, 543	104, 447 76, 425 529, 337 416, 752 608, 287 648, 616 515, 427	1924 1925 1926 1927 1928 1929 1930	117, 927 93, 608 139, 653 131, 456 193, 777 254, 816 171, 660	259, 911 206, 312 307, 795 289, 729 427, 084 561, 614 378, 338	602, 831 542, 605 694, 628 467, 295 644, 744 755, 850 586, 000

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78 INTERNATIONAL TRADE IN MACHINERY BELTING

Japanese exports of leather belts and hose have recovered from the earthquake period, and gone on to new high levels, but those of woven belting and hose, while above the postwar low, slipped back in 1930 to less than the 1921 figures. Exports of belting from Japan are reported by weight in units of kins; for convenience in reference the weights are here stated in kilos, the kin being equal to six-tenths of a kilo. It is probable that leather belting constitutes about 80 per cent of the total shown under "leather belts and hose for machinery," and that woven belting makes up about 80 per cent of the exports shown under "woven belting and hose for machinery." The statistics shown in the table are for calendar years.

		bel ts an d se		belting hose	Tr	Leather belts and hose		Woven belting and hose	
Year	Quan- tity	Value	Quan- tity	Value	Year	Quan- tity	Value	Quan- tity	Value
1912. 1913. 1919. 1920. 1921. 1922. 1923.	Kilos 42,068 23,373 82,275 57,687 61,036 61,621 46,672	Yen 104, 447 76, 425 529, 337 416, 752 352, 033 387, 931 288, 571	Kilos (1) (1) (1) (1) 109, 922 71, 242 61, 560	Yen (1) (1) (1) (1) 256, 224 260, 685 226, 856	1924 1925 1926 1927 1928 1928 1928 1929 1930	Kilos 65, 200 51, 769 86, 335 62, 690 91, 222 121, 096 84, 600	Yen 394, 904 329, 220 487, 724 288, 146 394, 855 460, 985 358, 000	<i>Kilos</i> 52, 727 41, 839 53, 318 68, 766 102, 555 133, 720 87, 060	Yen 207, 927 213, 385 206, 904 179, 149 249, 889 294, 865 228, 000

EXPORTS OF BELTING FROM JAPAN, BY CLASSES

¹ Not available.

In 1930 China took the largest share of Japanese leather belting exports, with British India, Asiatic Russia, and Kwantung Province following in that order. These four are also the chief purchasers of Japanese woven belting and hose, but Kwantung leads, China is next, then Russia and British India. The following tables show exports, by countries, for 1921 and 1930.

JAPANESE EXPORTS OF BELTING, BY COUNTRIES AND CLASSES, 1921

Country of destination	Leather belt and hose for		Woven belting for ma- chinery and woven hose		
	Quantity	Value	Quantity	Value	
China	Kilos 33, 960 21, 720	Yen 210, 000 99, 000	Kilos 31, 380 45, 480 8, 340	Yen 75,000 101,000 20,000	
Hong Kong British India Straits Settlements Aslatic Russia Philippine Islands	720 180 540	4, 000 1, 000 3, 000	7, 500 7, 020 8, 100 1, 140	20, 000 15, 000 15, 000 2, 000	
Other countries Total	916 61, 036	10, 063 352, 063	962 109, 922	4, 224	

EXPORTS OF LEATHER BELTING FROM JAPAN, BY COUNTRIES, 1930

Country of destination	Quan- tity	Value	Country of destination	Quan- tity	Value
China Kwantung Hong Kong British India Straits Settlements	Kilos 40, 900 15, 100 100 26, 280 60	Yen 215,000 63,000 69,000	British Borneo Asiatic Russia Philippine Islands Total	Kilos 60 2, 040 60 84, 600	Yen 8,000 355,000

EXPORTS OF WOVEN BELTING AND HOSE FROM JAPAN, BY COUNTRIES, 1930

Country of destination	Quantity	Value	Country of destination	Quantity	Value
China Kwantung Hong Kong British India	Kilos 16,920 52,200 400 5,700	Yen 46,000 130,000 1,000 17,000	Asiatic Russia Philippine Islands France	Kilos 9, 420 500 500	Yen 26, 000 1, 000
Straits Settlements British Borneo	960 300	2,000	Total	86, 900	223, 000

Japan's share of the total world trade in belting is small, but growing. In 1920 it amounted to 0.4 per cent, in 1925 to 0.8, and in 1930 to 1.6 per cent. In world leather belting trade, its percentage has increased from 1.5 to 3.1 per cent over the same period, and in woven belting, also, its share has more than doubled.

AUSTRALIA

Australian manufacturers produce belting in considerable quantities, and, since 1921, a fair amount has been exported to New Zealand and various parts of Oceania. In 1920 it had 1.1 per cent of the total world belting trade, but at present it is only about 0.4 per cent; in the former year it sent 332,798 pounds of belting abroad, in 1930 only 91,093. The following table shows the total trade in 1912, 1913, and 1919–1930.

Year	Quantity 1	Value	Year	Quantity 1	Value
1912 1913 1919 1920 1921 1922 1922	Pounds 23, 463 39, 456 379, 398 332, 798 322, 060 81, 437 67, 924	£3, 115 5, 238 50, 365 44, 179 40, 906 12, 202 9, 348	1924 1925 1926 1927 1928 1923 1923	Pounds 129, 792 106, 401 142, 042 98, 137 86, 056 118, 495 91, 093	£ 19, 491 14, 793 11, 785 13, 373 11, 424 15, 530 11, 642

TOTAL EXPORTS OF BELTING FROM AUSTRALIA

¹ Estimated.

Leather belting makes up the bulk of this trade, but composition belting, largely rubber, has grown from an export value of £573 in 1920 to £2,990 in 1930. An examination of the table of exports shows that the Australian industry was shipping a fairly important quantity of leather belting overseas just after the war, but that the trade has fallen off sharply since that time. From providing 2.8 per cent of the world leather belting trade in 1920, Australia's share fell to 1.1 per cent in 1930.

Year	Leather	Compo- sition	Year	Leather	Compo- sition
1912 1913 1919 1920 1921 1922 1922 1923	£2, 869 5, 158 49, 659 43, 666 38, 413 12, 010 8, 902	£246 80 706 513 2, 433 192 446	1924	16, 371 9, 706 7, 283 11, 792 8, 312 11, 707 8, 652	£3, 120 5, 087 4, 502 1, 581 3, 112 3, 823 2, 990

VALUE OF EXPORTS OF BELTING FROM AUSTRALIA, BY CLASSES

Netherland India, New Zealand, and the Fiji Islands took the bulk of Australian exports of leather belting in 1920. By 1930 the trade with Netherland India had dwindled almost to extinction and New Zealand and the Fiji Islands, although the leading purchasers, were taking only half of their earlier amounts. The same trend is visible in the exports of composition belting which, although somewhat more diversified in destination, also center on these two countries.

VALUE OF EXPORTS OF BELTING FROM AUSTRALIA, BY COUNTRIES

		Valu	10	
Country of destination	1920)-21	1930	
	Leather	Composi- tion	Leather	Composi- tion
United Kingdom			£238	£274
British Malaya. New Zealand Fiji Islands. Nauru.	£6, 100 6, 020 964	£657 668	975 3, 256 2, 804 626	973 336
New Guinea Other Islands, British Papua. Other British countries	1, 371 231	• 95 67	507 10 134 55	329 200 304 228
Netherland India New Caledonia Other Islands United States	8, 884 930 2	15, 344 293	17	300 38 8
Hong Kong India and Ceylon Union of South Africa	4, 173 4, 278 1, 821	1. 492		
Straits Settlements China French Indo-China Other countries	3, 061 1, 050 294 292	1, 151 2, 358		
Total	39, 471	6, 781	8, 622	2, 990

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INTERNATIONAL COMPETITION IN BELTING TRADE

A comparison of the belting trade of various countries is possible only on the basis of weight of belting exports. Statistics of value are not available for all countries and for certain countries the published figures are not the invoice values. The fluctuations of currency of many countries, particularly European, renders impossible any comparison of the trade of these countries over a period of years on the basis of value. Since the conversion of values in foreign currency to United States dollars would be of little benefit, statistics of value for foreign currency have been given in the appropriate local currency of each country. Official statistics on a basis of weight are available for almost all countries but not for all years. The accompanying table shows the total estimated weight, in pounds, of belting exports for each country treated in the foregoing section (except Italy in 1930), for the years 1920 through 1930, the last year for which figures are available.

The table shows that international trade in belting has been remarkably steady in point of total volume, averaging 27,416,000 pounds annually from 1923–1930, inclusive. From 1926 to 1929, the annual increase averaged 967,000 pounds. The statistics show that the trade reacts very severely in depression periods, which is most natural since the belting market depends upon industrial activity. Inasmuch as international shipments have remained relatively stable, it would appear likely that the real growth, in the belting trade the world over, has been supplied by small belting manufacturing industries located in countries which as yet have not engaged in exporting the material, merely supplying it to domestic users.

TOTAL WORLD EXPORTS OF MACHINERY BELTING, BY COUNTRIES, 192	320-1930
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[Weight in pounds]

Exporting country	1920	1921	1922	1923	1924
United States	100, 069 16, 474, 856 624, 800 2, 692, 582 1, 022, 489 353, 711 181, 609 230, 318 258, 088 190, 866 91, 968 223, 157	3, 178, 535 96, 050 7, 678, 160 1, 556, 500 1, 958, 606 574, 774 223, 763 220, 620 90, 584 479, 370 367, 627 110, 345 81, 563 25, 566	3, 682, 308 329, 120 9, 189, 824 3, 020, 600 1, 763, 200 816, 516 293, 132 156, 924 117, 914 727, 099 248, 170 156, 902 168, 993 63, 034	4, 984, 323 569, 018 10, 827, 264 3, 409, 120 2, 266, 373 1, 339, 351 341, 620 226, 350 147, 447 813, 276 779, 867 707, 284 207, 244 245, 410 58, 846	5, 067, 622 726, 569 10, 486, 894 3, 079, 340 3, 039, 316 1, 220, 637 383, 496 130, 256 141, 717 416, 776 ()) 163, 752 262, 231 48, 047
Japan Australia Total	127, 142 332, 798 29, 701, 332	376, 791 322, 060 17, 340, 914	292, 830 81, 437 21, 108, 003	238, 543 67, 924 26, 521, 976	259, 911 129, 792 25, 556, 356

¹ Not available.

TOTAL WORLD EXFORTS OF MACHINERY BELTING, BY COUNTRIES, 1920–1930— Continued

Exporting country	1925	1926	1927	1928	1929	1930
United States	5, 897, 989	6,069,717	6, 773, 770	6, 615, 889	7, 388, 443	5, 459, 408
Canada	1, 261, 869	1, 149, 971	1, 227, 417	1, 233, 031	1, 493, 084	1, 381, 051
United Kingdom Germany		9, 920, 288 3, 320, 020	9, 625, 392 3, 462, 925	10, 146, 080 3, 373, 882	10, 512, 208	7, 705, 488 2, 942, 340
France		3, 571, 097	2, 942, 458	3, 258, 040	4,005,291	3, 542, 55
Belgium	1, 433, 960	1, 576, 520	1, 633, 280	1, 670, 900	1, 691, 140	1, 098, 02
Netherlands		502, 011	575, 043	591,688	564, 957	485, 40-
Italy	211, 143	159, 569	195, 935	114,608	134, 223	94, 33
Switzerland	129,735	177, 438	180, 084	265, 637	433, 513	284, 803
Austria	298, 642	234, 726	217, 534	274,618	358, 150	248, 39
Czechoslovakia	600, 482	451, 379	532, 486	591, 333	527, 417	411,04
Sweden		103, 621	129, 339	144, 628	157, 085	176, 14
Norway		343, 707	428, 581	393,004	484, 904	284, 61
Denmark	70, 748	45, 402	89, 262	56, 863	42,978	54, 43
Japan		307, 795	289, 729	427,084	561, 614	378, 33
Australia	106, 401	142, 042	98, 137	86, 056	118, 495	91, 09
Total	27, 228, 563	28, 075, 303	28, 401, 372	29, 243, 341	32, 181, 014	24, 637, 46

[Weight in pounds]

The United Kingdom is still the leading exporter of machinery belting, although its share of the trade has been decreasing during the past 10 years. In 1920 it sent abroad almost 55 per cent of the world's exports of belting. By 1922 this had fallen to 43 per cent, in 1924, 40; in 1926, 35; in 1928, 35; and in 1930 to 32 per cent.

The United States holds second place, its share of the total trade having remained very steady over the last 10 years. In 1920 we had 23.7 per cent of world belting exports, in 1925, 21.7, and in 1930, 22.7 per cent.

France, in third position, has gained in strength in the belting markets of the world. Producing only 9 per cent of the total in 1920, it had increased that to 10 per cent by 1925, and 12.8 per cent in 1930. The French exports of rubber belting included in these figures are estimated, and perhaps not accurately.

In the 10 years under consideration Germany has increased its share of world trade to more than six times its former figure, or from 2 to 12.2 per cent. This gain was made in 1921 and in 1922, when German exports of belting increased to 14.1 per cent of the world total, due in part to the change in the value of German currency. Since then its share has remained at about 12 per cent.

Canada's belting exports have shown the most rapid rate of increase of those of any country during the period under review. Amounting to 0.1 per cent of the world total in 1920 they increased fourfold the next year, more than three times in 1922 over the year before, nearly doubled by 1924, and nearly doubled again by 1930. This total, 5.7 per cent of the total trade, means that Canada has risen from sixteenth to fifth among belt exporting countries, but must really be viewed as an extension of the United States belting industry, which has sought the benefits of manufacture within the British Empire. The more recent years indicate that Canadian exports have become fairly well stabilized at less than 1,500,000 pounds.

The belting trade of Belgium remains small, but well maintained, and has been larger than that of Canada for every year except 1930. Amounting to 3.4 per cent of the world total in 1920 it rose to 5.8 in 1926 and 1928, but fell off in 1930 to 4.6 per cent.

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The Netherlands was the only other country furnishing 2 per cent or more of the world total of belting exports in 1930, but most of the other small producers have increased their percentages fractionally. Australia's shipments, however, are now less than one-third of the 1920 totals.

In order to picture the competition among the various countries, a chart is shown covering the total belting exports from each competing country of importance during the years 1920 through 1930.

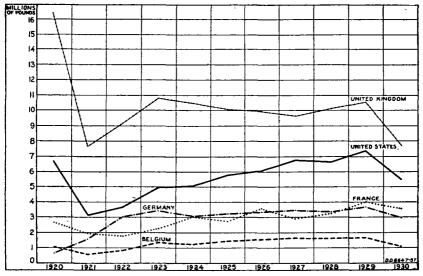


Figure 1.-Total world exports of machinery belting by countries, 1920-1930

Figures are in millions of pounds of weight and are plotted in the middle of each year.

The accompanying table shows the percentage of total world belting exports supplied by various producing countries yearly from 1920 through 1930.

PERCENTAGE OF TOTAL WORLD BELTING EXPORTS SUPPLIED BY VARIOUS PRO-DUCING COUNTRIES YEARLY, 1920–1930

[Based on weight]

Country	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
United States Canada	23.7	18.1	18.4 1.5	18.8 2.1	19.3 2.8	21.7 4.6	22. 2 4. 2	23.8 4.3	22.6 4.2	24.5 4.9	222.7 5.7
United Kingdom Germany	54.9	42.1 8.5	43.1 14.1	40.8 12.8	39.9 11.8	36.9 12.0	34.9 12.1	33.9 12.2	34.8 11.5	32.9 12.6	32.0 12.2
France	9.0	10.7	8.2 3.8	8.5	11.8	10.0	11.8	10.5	11.2	8.7	12.8
Netherlands	1, 2	1, 3	1.4	5.1 1.3	1.5	5.3 1.6	5.8 1.8	5.7 2.0	5.8 2.0	5.7 1.9	4.6 2.0
Italy Switzerland	.8	1.2 4.2	. 7	.8 .7	.5 .5	.8 .5	.6 .6	.6	.3 .9	.4	(¹) 1. 2
Austria Czechoslovakia	. 6	2.7 2.3	3.3 1.3	2.9	1.7 2.7	1.1 2.2	.9 1.7	.8 1.9	.9 2.0	1.5 1.8	1.0 1.7
Sweden Norway	. 7	.6 .5	.8 .9	.8 .9	.6 1.0	.6 1.2	.4 1.3	.5 1.5	.5 1.3	.5 1.7	.7 1.2
Denmark Japan		.1 2.1	.2 1.4	.3 .9	.2 .9	.3 .8	.2 1.1	.3 1.0	.2 1.5	.1 1.9	.2 1.6
Australia	1.1	1.7	. 4	. 3	. 2	. 4	. 4	.3	.3	. 4	.4
Total	100. 0	100.0	100.0	100. 0	100. 0	100.0	100. 0	100. 0	100.0	100. 0	100. Q

¹ Not available.

RUBBER AND BALATA BELTING

America is the principal source of rubber belting exports, the United States occupying the position of leadership in this trade; a fact which, coupled with the growing shipments from Canadian factories by United States firms, shows that American-made rubber belting is maintaining the strong position in the trade first gained in 1921, despite the steady world-wide competition from British firms, the advances made by Germany and France, and the competition in Europe from Norwegian, Czechoslovak, and Swedish exporters. The accompanying table shows the world exports of rubber and balata belting by countries from 1920 to 1930.

Whereas the total trade in belting of all classes was fairly stable, and in 1929 barely exceeded the 1920 previous peak total, exports of rubber and balata belting combined have shown a tendency to in-British statistics, and the United States and Canadian crease. statistics, show clearly that the increase has been in rubber belting; balata belting exports from United Kingdom (which leads in this class) have actually declined. It follows that rubber belting is now far stronger in international trade than it was 10 years ago, or even 5 years ago. The increased participation of rubber belting is principally to be accredited to American companies, shipping from factories in the United States, Canada, and England; their success can only be the result of adaptability and utility of rubber belting in competition with other classes of belting, and to the constantly lower price of raw materials used largely in the manufacture of rubber belting, coupled with aggressive salesmanship.

World	Exports	\mathbf{OF}	Rubber	AND	BALATA	Belting	BY	COUNTRIES,	1920–1930
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[In pounds]

Country		1920	1921	1922	1923	1924
United States		3, 900, 000	2, 300, 000	2, 590, 000	3, 548, 468	3, 572, 255
Canada		29,902	65, 459	320, 642	550, 062	702, 198
United Kingdom		5, 015, 584	1, 891, 120	2, 372, 496	2, 650, 256	2, 659, 216
Germany		110,000	330,000	642, 400	849, 640	526, 460
France		932, 027	749, 330	580, 313	684, 342	962, 046
Belgium		1 255, 622	1 143, 693	1 204, 129	1 334, 837	1 307, 659
Italy			4,408	30, 194	65, 238	21, 599
Austria		23, 142	24, 464	26, 227	15, 648	5, 950
Czechoslovakia		19, 174	59,067	102, 926	559, 743	
Sweden		26, 622	62, 734	89, 982	118, 771	99, 746
Norway		223, 157	81, 563	159, 362	239, 740	249, 843
Denmark			13, 224	47, 606	45, 622	42, 316
Australia *		1, 013	5, 169	457	1, 424	7,426
· Total		10, 549, 467	5, 731, 331	7, 336, 734	9, 663, 791	9, 155, 714
Country	1925	1926	1927	1928	1929	1930
United States	4, 078, 651	4, 173, 363	5.010.592	4, 887, 206	5, 670, 159	4, 297, 789
Canada		1, 149, 222	1, 226, 609	1, 225, 294	1, 471, 651	1, 374, 222
United Kingdom		3, 011, 568	2, 539, 040	3, 164, 896	3, 561, 488	3. 073. 728
Germany		727, 540	973, 727	1,030,590	1, 204, 927	1, 229, 612
France.		1, 078, 373	1, 121, 483	1, 364, 364	1, 891, 876	1, 251, 254
Belgium		331, 481	254, 562	303, 931	315, 172	349, 774
Italy		41, 655	47, 165	30, 856	62, 593	7,052
Switzerland	661	57, 304	7, 493	63, 695	223,044	127, 391
Austria		1, 102	39,010	39, 892	39, 892	35, 925
Czechoslovakia	156, 153	304, 152	334, 346	349, 774	226, 904	225, 524
Sweden		55, 584	63, 206	69,090	80, 479	90, 269
Norway		342, 889	427, 877	391, 919	483, 301	283, 718
Denmark		45, 402	89. 262	53, 777	41, 214	34, 823
			4, 148	8, 166	10, 032	7, 846
Australia 2	13, 240	11, 790				

¹ Estimated on basis of percentage of total Belgian exports supplied by rubber from 1925 to 1930. ³ Estimated on basis of 54 cents per pound. In 1930 the United States shipped 4,297,789 pounds of rubber and balata belting abroad, compared with 4,078,651 pounds in 1925 and 3,900,000 in 1920. However, due to the general increase in world trade in this commodity our national share of similar world exports decreased during this period from 37.1 to 34.6 per cent.

Great Britain is the principal competitor of the United States in the trade in this class of belting, but its shipments have declined from 4,015,584 pounds in 1920 to 3,073,728 in 1930, while its share of the market is down from 47.7 to 24.6 per cent. European competition, striking the United Kingdom more heavily than the United States, has been largely responsible in bringing about this change.

The growth of the Canadian trade in rubber and balata belting was very rapid from 1920, when 29,902 pounds were shipped, until 1925, when 1,213,284 pounds were sent out of the country—a rise from

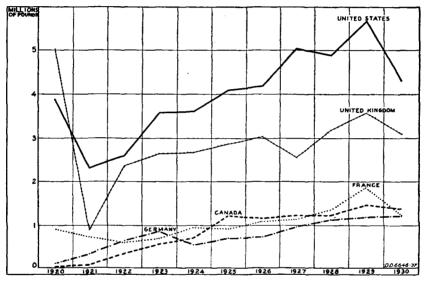


Figure 2.-World exports of rubber and balata belting, by countries, 1920-1930

0.3 to 11.1 per cent of the total world trade. Since then exports have been comparatively level both as to volume and percentage.

France's estimated trade in rubber and balata belting has increased slightly during the last 10 years, rising from 932,027 pounds in 1920 to 1,251,254 in 1930. This means that France's share of this world trade gained slightly over 1 per cent, and is now 10.1 per cent of the total.

Next to Canada, Germany's export trade in rubber and balata belting has shown the largest growth. It amounted to 110,000 pounds in 1920, 330,000 in 1921, 642,400 in 1922, 701,360 in 1925, and 1,229,612 pounds in 1930—a growth from 1.4 to 9.9 per cent of the world total.

These five countries dominate the export trade in this country, no other country shipping more than 350,000 pounds annually. Of the smaller producers, the trade of Switzerland, Czechoslovakia, Sweden, and Denmark is growing, although unlikely ever to attain large proportions.

The accompanying chart shows the trade of the chief exporting countries of rubber and balata belting for the years 1920 through 1930, in pounds, the yearly totals being plotted in the middle of each year.

The table shows the relative positions in the rubber and balata trade held by the 14 largest producers in 1920, 1925, and 1930. In 1930 and in 1931 the British share of the trade had increased at the expense of the United States share, judging from statistics shown previously in the sections devoted to the exports from the two countries. Whether this represents the beginning of a tendency that will carry British exports to a predominant position in this trade, or whether it is the result of a temporary condition leading United States companies to utilize British branch factories to an increased extent for making export shipments, is a question for future years to answer.

PERCENTAGE OF TOTAL WORLD EXPORTS OF RUBBER AND BALATA BELTING SUPPLIED BY CHIEF PRODUCING COUNTRIES

Country	1920	1925	1930	Country	1920	1925	1930
United States Canada United Kingdom Germany France Belgium Italy Switzerland	37. 1 . 3 47. 7 1. 4 8. 9 2. 4	37.4 11.1 26.1 6.5 8.6 3.1 .5 .1	34. 6 11. 1 24. 6 9. 9 10. 1 2. 8 (¹) 1. 0	Austria. Czechoslovakia Sweden. Norway Denmark. Australia. Total.	0. 2 . 2 . 3 2. 3 . 1 . 1 100. 0	0.1 1.6 1.1 3.1 .6 .1 100.0	0.3 1.8 .7 2.3 .7 .1 100.0

1 Not available.

AVERAGE VALUE PER POUND, IN CENTS, OF RUBBER BELTING SHIPPED FROM LEADING EXPORTING COUNTRIES

Year	United States	Canada	United King- dom	Ger- many	Year	United States	Canada	United King- dom	Ger- many
1000					1007				
1922	49	47	83		1927	53	41	63	63
1923	57	56	82		1928	57	38	60	60
1924	58	56	76	59	1929	54	38	56	60
1925	59	51	71	65	1930.	51	36	53	54
1926	64	54	70	69	1931	43	30	40	49

The average value per pound of rubber belting shipped from Canada is definitely lower than that of the other chief exporting countries. In 1922 Canada's rubber belting averaged 47 cents a pound, that of the United States 49 cents, and that of the United Kingdom 83 cents. By 1924 the figures for the United States and Canada had risen to 58 and 56 cents, respectively, the United Kingdom dropped to 76 cents, and Germany, available for the first time, was 59 cents. By 1926, the United States and Germany were up to 64 and 69 cents, respectively, Canada's price had declined slightly, and the United Kingdom had been further reduced to 70 cents. All were lower in 1928, the United Kingdom and Germany getting 60 cents a pound, the United States 57 cents, and Canada 38 cents. By 1931, Canada was selling at 30 cents, the United Kingdom at 40 cents, the United States at 43 cents, and Germany at 49 cents.

In other words, although the price of all rubber belting is down, that exported from the United Kingdom has dropped more in price than that of any other country.

LEATHER BELTING

The international trade in leather belting is not dominated by any one country, but divided among several of the chief producers. Until recently the United Kingdom was the principal factor in the trade, but in 1926 the exports of France passed Great Britain in this trade.

In 1920 France sent only 166,622 pounds of leather belting abroad and the total dropped to 112,844 pounds in 1921. The next year saw a sharp rise to 1,071,364 pounds, and this level was maintained until 1930, when 1,657,848 pounds were exported. As shipments from both the United States and United Kingdom have declined during these years, this record has meant that France's share of the total leather belting trade has risen from 2 per cent in 1920 to 26.8 per cent in 1930.

The total exports of leather belting from the chief producing countries from 1920 through 1930 are shown in the accompanying table. Note the extremely even trade totals from 1923 to 1928. The 1929 peak was lower than in 1920.

Country		1920	1921	1922	1923	1924
United States		2, 819, 078	878, 535	1, 092, 308	1, 064, 449	1, 111, 185
Canada		30, 396	30, 591	8,478	18, 956	24.371
United Kingdom		3, 429, 104	1, 956, 864	1, 889, 776	2, 394, 784	2, 312, 912
Germany	• • • • • • • • • • • • • • • •	74, 800	236, 500	546, 260	671, 850	603, 460
France		166, 622	112, 844	1, 071, 364	1, 426, 428	1, 908, 002
Belgium		1 623, 718	1 350, 612	1 489, 909	1 803, 610	1 732, 382
Netherlands		353, 711	223, 763	293, 132	341, 620	383, 496
Italy		82, 429	82, 650	32, 619	44, 080	40, 112
Switzerland.		129, 374	46, 945	56, 202	64, 797	78, 903
Austria		221, 722	440, 800	451, 158	566, 428	394, 516
Czechoslovakia		51, 132	151, 635	52, 896	136, 592	(1)
Sweden		10, 707	3, 735	7, 447	7, 482	24, 374
Norway				9, 631	5, 670	12, 388
Denmark		55, 100	10, 358	13, 224	5, 510	3, 967
Japan		127, 142	134, 523	135, 812	102, 865	143, 700
Australia 1		239, 725	221, 557	79, 626	61, 023	108, 294
Total		8, 414, 760	4, 881, 912	6, 229, 842	7, 716, 174	7, 882, 062
Country	1925	1926	1927	1928	1929	1930
United States	1, 346, 332	1, 347, 813	1. 241, 912	1, 250, 586	1, 294, 165	885, 573
Canada.	48, 585	749	808	7, 737	21, 433	6, 829
United Kingdom	2, 084, 656	1.788.060	1, 808, 016	1,631,840	1, 709, 232	1. 287. 664
Germany	506, 660	546, 920	508, 463	673. 542	720, 928	468, 570
France	1,637,351	1.958.474	1, 733, 446	1, 693, 112	1, 881, 334	1.657.848
Belgium	962, 266	984.306	1, 108, 832	1.109.934	1, 109, 493	613, 593
Netherlands	468, 949	502, 011	575, 043	591.688	564. 957	485, 404
Italy	75.817	52,675	27, 550	37. 247	32, 398	36, 586
Switzerland	74.034	89,041	115,670	136, 180	125, 724	92, 468
Austria	286, 079	227, 232	172.352	233, 403	316, 494	210, 482
Czechoslovakia	93, 178	112,624	145.904	175. 218	229, 216	169.267
Sweden	5,970	5, 997	6, 805	2, 693	5, 719	6, 647
Norway	4, 485	817	703	1,084	1,602	897
Denmark.	3, 526			440	1, 763	19.615
Japan	114, 098	190, 282	138, 168	201.053	266, 895	186, 458
Australia ¹	70, 173	52, 983	85.963	60, 594	85, 344	63, 087
Total	7, 782, 159	7, 860, 004	7,669,635	7, 806, 351	8, 366, 697	6, 190, 988

TOTAL WORLD EXPORTS OF LEATHER BELTING, IN POUNDS, 1920-1930

Estimated on basis of percentage of total belting exports supplied by leather belting in 1925-1930.
 Figures not available.

The leather belting exports of the United Kingdom have dropped to a little more than one-third of the 1920 level, while its share of world trade has fallen from 40.8 to 20.8 per cent. This lost business has gone, for the most part, to France. Since 1920 the United States has dropped from second to third place among the leather belting exporting countries of the world; its share of the trade has fallen from 33.5 per cent in 1920 to 14.3 in 1930, and the volume of its shipments from 2,819,078 to 885,573 pounds.

Belgium has a strong export trade in leather belting which supplies about 10 per cent of the world trade, and which, although off sharply from a 1928 peak of 1,109,934, is still 613,593 pounds.

The Netherlands is a steady exporter of leather belting, its shipments averaging a little under 500,000 pounds, or between 4 and 8 per cent of the total. Germany, which in 1930 had a trade about the size of the Netherlands, has increased its trade from 74,800 pounds in 1920 to 468,570 in 1930, or from 0.9 to 7.6 per cent of the world shipments of leather belting.

Among the small producing nations, the trade in leather belting of Czechoslovakia and Japan is increasing, while that of Canada, Denmark, and Australia has shown losses over the last 10 years.

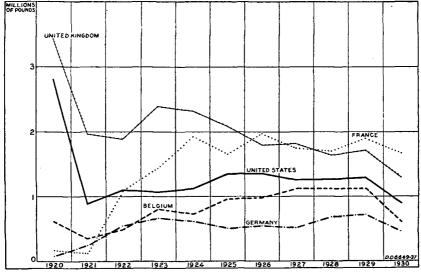


Figure 3 .--- Total exports of leather belting, 1920-1930

The accompanying chart gives the exports of leather belting from the chief producing countries by years from 1920 through 1930, yearly totals in weight being plotted in the middle of each year.

The following table shows the percentage of total world exports of leather belting shipped by the chief producing countries in 1920, 1925, and 1930.

PERCENTAGE OF TOTAL WORLD EXPORTS OF LEATHER BELTING SUPPLIED BY CHIEF PRODUCING COUNTRIES

Country	1920	1925	1930	Country	1920	1925	1930
United States Canada United Kingdom Germany France Belgium Netherlands Italy Switzerland	33.5 .4 40.8 .9 2.0 7.4 4.2 1.0 1.5	17. 3 .6 27. 1 6. 5 21. 0 12. 3 6. 0 .9 .9	14. 3 .1 20. 8 7. 6 26. 8 10. 1 7. 9 1. 5	Austria. Czechoslovakia. Swęden. Norway. Denmark. Japan. Australia. Total	2.7 .6 .1 .6 1.5 2.8 100.0	3.7 1.2 .1 .1 .1 1.4 .8 100.0	3. 4 2. 8 . 1 . 3 3. 1 1. 1 100. 0

HAIR AND COTTON BELTING

The United Kingdom has always dominated the world trade in hair and cotton belting, and it continues to do so. Although the volume of its shipments fell from 8,629,168 pounds in 1920, to 5,091,-968 in 1925, and 3,344,096 in 1930, its percentage of total trade remains very constant. In 1925 it was 59.7 per cent and in 1930, 60 per cent.

For Germany, the second largest exporter of this commodity, no figures are available prior to 1922. It then sent 1,831,940 pounds of hair and cotton belting abroad, and increase this to 2,067,120 in 1925. In 1930 the volume had fallen to 1,244,158 pounds, while its percentage of the trade, in the last two years mentioned, has dropped from 24.4 to 22.3 per cent, respectively.

The following table shows world exports of hair and cotton belting, by countries, in pounds, for 1920–1930.

Country		1920	1921	1922	1923	1924
United States United Kingdom Germany Belgium Italy		(¹⁾ 8, 029, 168 (¹) 94, 331 (⁴⁾ 99, 179 100, 943 13, 223 113, 941 54, 638 9, 477	(1) 3, 830, 176 (4) 80, 225 (4) 133, 561 43, 639 14, 105 156, 924 43, 873 1, 983 242, 268	(1) 4, 927, 552 1, 831, 940 111, 522 (4) 94, 110 61, 712 12, 121 92, 347 59, 472 2, 204 157, 017	371, 406 5, 782, 222 1, 887, 600 155, 602 (⁴) 117, 032 82, 650 13, 003 83, 531 80, 990 7, 714 135, 678	378, 182 5, 514, 768 1, 949, 420 169, 267 (⁴) 64, 136 62, 814 16, 309 39, 631 1, 763 116, 210
Total		8, 514, 900	4, 546, 754	7, 349, 997	8, 717, 428	8, 312, 500
Country	1925	1926	1927	1928	1929	1930
United States United Kingdom Germany France ¹ Belgium Italy ¹ . Switzerland ² Austria Czechoslovakia ⁷ . Sweden Denmark ⁴ . Japan ⁴ .	473, 006 5, 091, 968 2, 067, 120 159, 349 134, 663 85, 294 55, 778 4, 548 351, 150 45, 068 92, 213	548, 540 5, 120, 640 2, 045, 560 184, 915 263, 597 65, 238 31, 069 6, 391 34, 602 42, 038 117, 512	521, 266 5, 278, 336 1, 980, 735 137, 529 272, 854 122, 219 25, 826 6, 170 52, 344 59, 326	478, 097 5, 349, 344 1, 669, 750 200, 564 260, 071 46, 504 65, 756 1, 322 66, 340 72, 843 226, 031	424, 119 5, 241, 488 1, 761, 657 232, 081 39, 230 84, 743 1, 762 31, 296 70, 886 2, 644 294, 718	276,046 3,344,096 1,244,158 165,320 136,047 50,692 64,943 1,982 16,530 79,224 191,880
Total	8, 560, 457	8, 460, 122	8, 608, 165	8, 436, 522	8, 454, 172	5, 599, 918

TOTAL WORLD EXPORTS OF HAIR AND COTTON BELTING, IN POUNDS, 1920-1930

Cotton belting only was first officially reported in 1923.
First officially reported in 1922.
All hair.

I Not available for hair and cotton until 1925.

⁴ Camel's hair, canvas, and hemp belting and hose.

• Woven.

7 Cotton, flax, and hair. * Woven belting and hose.

The United States ranks third as a textile belting exporter. In 1923, the first year for which figures are available, it sent 371,406 pounds overseas. In 1925 this had increased to 473,000 pounds, it reached a high the next year of 548,540, and declined regularly thereafter to 276,046 pounds in 1930.

Japan, the next most important source of supply, was strong just after the war, shipping 242,268 pounds in 1921. This volume dropped off to 92,213 pounds in 1925, or 0.8 per cent of the world total, but recovered in both volume and percentage to 191,880 pounds in 1930, or about 3.5 per cent of the total.

France and Belgium are the only other exporting countries of importance, and both are increasing their percentage of the trade, having contributed 1.9 and 1.6 per cent, respectively, in 1925, and

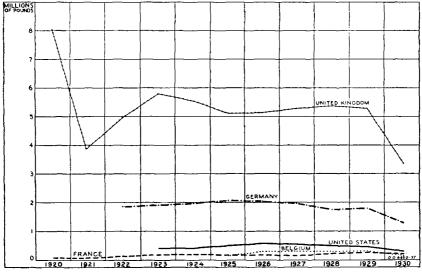


Figure 4.-Total world exports of hair and cotton belting, 1920-1930

3.1 and 2.4 in 1930. No other country exports more than 1.5 per cent of the total.

The accompanying chart shows the annual exports of cotton and hair belting from the principal exporting countries from 1920 through 1930.

The following table gives the relative positions in the textile belting trade of the principal producing countries in 1925 and 1930:

PERCENTAGE OF TOTAL WORLD EXPORTS OF HAIR AND COTTON BELTING SUP-PLIED BY CHIEF PRODUCING COUNTRIES

Country	1925	1930	Country	1925	1930
United States. United Kingdom. Germany. France. Belgium. Italy. Switzerland.	5.0 59.7 24.4 1.9 1.6 1.0 .6	4.9 60.0 22.3 3.1 2.4 .9 1.2	Austria. Czechoslovakia Sweden Japan Total	0.5 4.1 .4 .8 100.0	0. 1 . 3 1. 4 3. 4 100. 0

INTERNATIONAL TRADE IN BELTING, BY CLASSES

The years immediately after the war witnessed a rapid development of the international trade in machinery belting. Factories which had been making war materials had to change to peace-time production and needed new belting; while other plants that had put off purchasing new equipment during the years of the war renewed their belting. In 1920 total exports of all classes of belting totaled 29,-701,332 pounds. The 1921 depression cut this to 17,340,914, but by the next year it had risen to 21,108,003 pounds and by 1923 had increased to 26,521,976. The total trade held at this approximate level, varying between 25,000,000 and 32,000,000 pounds annually until 1930 when it dropped back to 24,637,461 pounds. The following table shows the international trade in belting, by classes and in total, for the years 1920 through 1930:

Year	Rubber and balata	Leather	Cotton and hair	Other	Total
1920. 1921. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1929. 1930.	10, 549, 467 5, 731, 331 7, 336, 734 9, 663, 791 9, 155, 714 10, 866, 317 11, 331, 455 12, 138, 520 12, 983, 450 15, 282, 732 13, 388, 927	8, 414, 760 4, 881, 912 6, 229, 842 7, 716, 174 7, 882, 062 7, 782, 159 7, 860, 004 7, 669, 635 7, 806, 351 8, 366, 697 6, 190, 988	8, 514, 900 4, 546, 754 7, 349, 997 8, 717, 428 8, 312, 500 8, 560, 457 8, 460, 122 8, 608, 165 8, 436, 622 8, 436, 622 8, 436, 622 8, 436, 622	2, 222, 205 2, 180, 917 191, 430 424, 583 206, 086 19, 630 74, 388 85, 052 16, 918 77, 413 557, 628	29, 701, 332 17, 340, 914 21, 108, 003 26, 521, 976 25, 556, 356 27, 228, 563 28, 075, 303 28, 401, 372 29, 243, 341 32, 181, 014 24, 637, 461

INTERNATIONAL TRADE IN BELTING, BY CLASSES, 1920-1930

In 1920 rubber and balata belting made up a little more than onethird of the world total, leather and cotton and hair each provided 28 per cent, and other sorts 7 per cent. Since then there has been a steady upward tendency in the proportion supplied by rubber and balata, being 36 per cent in 1923, 41 per cent in 1926, and 50.2 per cent in 1930. Leather has held fairly steady, rising to 30.8 in 1924 and falling off since then to 25.1 per cent. Cotton and hair also increased until it amounted to 34.8 per cent of the total in 1922; since then it declined every year until 1930, when it was 22.5 per cent of the total. After 1921 "other sorts" of belting were of little importance until 1930, when British figures bring out that category in more detail, accounting largely for the increase of from 0.2 to 2.3 per cent.

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INTERNATIONAL TRAD	E IN BELTING	, SHOWING PERC	ENTAGES OF TOTAL	EXPORTS
SUPPLIED B	Y EACH CLA	SS DURING THE	YEARS 1920-1930	

Year	Rubber and balata	Leather	Cotton and hair	Other sorts	Total	Year	Rubber and balata	Leather	Cotton and hair	Other sorts	Total
1920	35.6	28.4	28.6	7.4	100	1926	41.3	27.9	30.6	0.2	100
1921	33.2	28.1	26.2	12, 5	100	1927	42.4	27.0	30, 3	.3	100
1922	34.8	29.5	34.8	. 9	100	1928	45.3	26.8	28.8	.1	100
1923	36.1	29.0	32.3	2.6	100	1929	47.6	25.9	26.3	.2	100
1924	35.8	30.8	32, 7	. 8	100	1930	50. 2	25, 1	22, 5	23	100
1925	39.9	28.5	31.5	.1	100	}					
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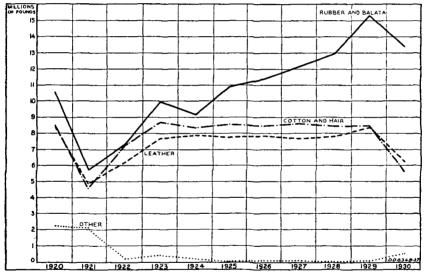


Figure 5.-International trade in belting by classes, 1920-1930

The accompanying chart shows the annual trend of exports of belting, by classes, from 1920 through 1930. The general trend of total exports for each class of belting follows the same curve; conditions that make for good business in one class of belting are good for the belting industry as a whole. It may well be said that an accurate knowledge of belting sales throughout the world is a reliable index to industrial activity, for the general state of business in any manufacturing country can be gauged on the basis of belting consumption.

MARKET FACTORS

TECHNICAL ASPECTS OF THE BELTING TRADE

In order to sell mechanical rubber goods in a foreign market, it is necessary, first of all, to have a stock of standard sizes at hand to fill orders promptly. The foreign factory which is in the market for belting replacements can not shut down while waiting for a belt to be shipped from somewhere in America—the belt must be had at once. The first step is, therefore, to select or establish suitable distributors for the territory, and, in addition to proper qualifications as regards finances and business integrity, the representatives should have special knowledge of the belting trade.

The special knowledge required by belting salesmen in order to offer the right belt for a particular drive is of high order. A salesman with such knowledge is a prime requisite to the distributing firm, whether it be a sales branch of the manufacturer or a foreign merchant. Some belting manufacturers who produce various grades of belting, suitable for use under different conditions of service, have published pamphlets outlining the brands most suitable for use on a wide range of drives, in many different kinds of industrial plants. Such literature is extremely helpful to the foreign as well as the domestic distributor or agent.

Several belting exporters maintain in their foreign branches experienced salesmen who are able, after examination of a drive, to recommend the most suitable belt for the purpose. Such a salesman may either have expert technical knowledge of the belting line or that rare gift, obtained through experience, which enables him to specify a particular belt for a specific use. The best-qualified men have both the technical knowledge and the experience, the latter being more essential than technical training. The distributor chosen in a given market should have either a qualified expert in belting, or a salesman capable of developing in that direction, and should be aided so far as possible by helpful literature.

Naturally the suitable distributors in any market will be few in number, especially when it is remembered that the salesman must also be able to gain an interview with the high officials of the concern he is calling upon, a thing even more difficult abroad than in the domestic trade.

The use of the metric system throughout Europe hampers the sale of belting in inch sizes on the Continent. Inch sizes are usually suitable for use on open pulleys not flanged, made to metric measurements, but often foreign firms unfamiliar with inch measurements insist on being supplied with belting in metric sizes. This is more particularly the case with retail dealers in European countries, where the number of small millimeter sizes is much greater than the corresponding number of small inch sizes in America, where standard sizes vary by half inches only for narrow belts.

In order to reduce sales resistance on account of inch measurements, it is well to state measurements in both inch and metric sizes

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in export catalogues designed for general distribution, and also to sell the idea that a full line of inch and half-inch sizes will require less capital outlay than a full line of metric sizes because of the smaller variety of small inch sizes. No American manufacturers produce standard lines of belting in metric sizes as such, although some leather-belting companies have made concessions in order to promote their export sales; usually American firms only supply belts in millimeter sizes when the belt is being specially constructed to meet specifications.

TRADE PRACTICES

Demonstrations.—It is usually a matter of individual salesmanship to introduce a new line of belting in a particular market. Take a case where conditions necessary to the sale of belting are all favorable; that is, a stock of standard sizes is available for the filling of orders, and a qualified salesman is employed to introduce the line, which is of recognized quality. The foreign manufacturer, on being asked to give the belt a trial, will more than likely demand a demonstration to prove the truth of the claims made before placing an order. Many home offices will authorize their foreign distributors to go to this extent in endeavoring to develop a market if the belt required is a stock size and special construction is not required.

Guaranties.—Time guaranties of service are not often given on belting in foreign markets. Manufacturers of standard products are always ready to stand back of their product, so far as material and workmanship are concerned, and will replace or repair free of charge a belt which fails on account of defective construction or materials, but time guaranties are usually rendered impracticable by the impossibility of knowing whether the belt is properly installed, while the difficulty of telling what sort of treatment and care will be given a belt always renders guaranties of length of service dangerous. Guaranties are almost never given on new installations. Always when guaranties are offered free replacements are made only on observance of specified proper installation, proper service conditions, and proper treatment of the original belt.

Credits.—The matter of credit extension is of particular importance in the export trade in belting, owing to the rather slow movement of stocks. In many foreign countries the competitive position of American belting exporters would be much strengthened by a liberal credit policy. This does not imply that this subject is not now given consideration nor that credit should be granted promiscuously; it merely means that the selling policy of the exporter should be sufficiently elastic to provide credit facilities where necessary to meet competition. While there is always an element of danger in extending credit, there are several foreign markets which the American manufacturer must either handle on this basis or else leave entirely alone.

DISTRIBUTION METHODS

What has already been said of the technical nature of the belting trade is indicative of the channels through which this trade moves, as well as of the limited number of suitable distributors available in any given territory. The amount of capital required by a firm to enable it to carry a full line of belting in all sizes is large, and since

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belting stocks are rather slow moving in territories not highly industrialized, dealers frequently hesitate to carry a full stock.

Factory branch offices.—Belting is frequently distributed in important foreign markets, such as England, Argentina, South Africa, Australia, Mexico, and British India, through factory branch offices, the line usually being handled in connection with other mechanical products of the factory, such as packing, valves, washers, and hose, and often additional products not in the mechanical line. The practicability of distribution through a branch office depends in the first instance on the volume of prospective business. Such distribution can be economically practiced only in important markets, but unless exceptionally able distributors can be secured in a market, the branchoffice plan is in the long run the best method of maintaining an assured position in the trade. Only the leading manufacturers can practice this form of foreign distribution. While there are no statistical data on the subject, it is certain that an important share of United States belting exports go to foreign branches of United States manufacturers.

These foreign branches sell direct to individual consumers only on very large accounts. The average consumer is reached through subagencies granted to dealers and mill-supply houses, or mill furnishers, as they are called in Great Britain. Special salesmen attached to branch offices aid the dealers in every possible manner. To assist the subagents and to give necessary repair service, etc., a repair shop is sometimes maintained in connection with foreign branches. This service enables the branch to offer facilities equal to those of manufacturers of belting in the foreign market and gives the American exporter a better competitive standing than is possible without it.

Foreign agencies.—Small manufacturers generally secure representation abroad, and large manufacturers do likewise in markets not sufficiently large to warrant the maintenance of a branch office, through agencies granted to wholesale distributors who distribute to retailers in the same manner as a foreign branch office. A large percentage of the belting exports from the United States go to agents representing American manufacturers as distributors. Usually the leading firms in the belting trade are to be found among the large mill-supply houses and importers handling light industrial machinery, the belting line being a natural adjunct to the machinery business. Infrequently a foreign manufacturer of some particular class of belting may handle imported belting of a different material. Importers of agricultural implements frequently handle belts for threshing machines, tractors, hay presses, and other agricultural uses. Hardware wholesalers are another important group of belting distributors, especially in medium-sized and small markets, while in several of the smaller territories belting is handled on indent by general importers and trading companies. It is desirable to require agents to handle a single make of belting; good results are not so likely to be attained when the agent carries other makes, even if the different makes are different classes of belting. Through the channels described above, the exporter of belting reaches foreign markets directly through personal representation or through agency arrangements.

Sales through purchasing agents.—A somewhat less important share of the belting export trade is handled in an entirely different manner. The leading companies engaged in mining developments throughout the world, and a great many important foreign industrial belting users maintain buying offices in New York or London, frequently in both centers. A considerable share of the belting exports from America and England are sold to local purchasing agents, representing large foreign consumers. Export offices of manufacturers in New York and London keep in close touch with such purchasing agents.

Direct sales.—A certain amount of importation of belting by large foreign users direct from the factory is carried on, the user ordering from specifications. Such direct importation by consumers is less common in transmission belting, which is usually available in standard sizes, than in conveyor or elevator belting, where a special product is required.

While the trade in belting is not one to be developed by correspondence with foreign importers, the distribution of descriptive literature abroad frequently serves a good purpose. An American exporter of rubber belting, who had for some time been unable to interest the New York purchasing agent for a Chilean nitrate mine in his product, finally succeeded in doing so through circularization of the engineers at the Chilean mine. The engineer has an important influence on the international trade in belting, and to the large number of Englishtrained engineers in foreign countries, whose experience and training make them familiar with British products, the dominating position of British belting manufacturers in international trade is largely due. The extent to which British capital is engaged in foreign mining and industrial enterprises is a factor of practically equal importance in maintaining the position of the British industry.

PECULIARITIES OF DIFFERENT MARKETS

A study of the statistics of exports from the producing countries, shown in previous sections, will give much information regarding the types of belting used in individual consuming countries. Markets, like individuals, have their peculiarities and prejudices; each market is merely a collection of individuals influenced by custom and environment. To a certain extent, a consideration of this fact helps to an understanding of the varying degrees of popularity of different types of belting in different foreign countries. Climatic conditions also have a bearing on this question.

The nationality of the firms which largely control the import business in a particular market has in many cases a large influence, as in India, for example, where a large part of the import trade is in the hands of English and German houses. Woven-hair and cotton belting is extremely popular in India, and these are the classes in which England and Germany have their largest trade. Over 50 per cent of the weight of belting consumed annually in Egypt is of the woven-hair class, and again English firms dominate the import trade. In Denmark over 50 per cent of the belting imported is balata and rubber, the balance being about equally divided between leather and woven belting. Cuba high-grade leather belting has a larger sale than all other classes combined, although United States rubber belting is a strong competitor. In Mexico and in Chile rubber belting is far in the lead. To account for these differences requires a knowledge of the consuming industries and the development of trade in each market from its origin to the present time.

INTERNATIONAL TRADE IN MACHINERY BELTING

AVERAGE FOREIGN EXCHANGE RATES

NOTE.—The table covers the exchange rates applying to the currencies used in connection with the export statistics of the foreign countries discussed in this publication, and is inserted for convenience in reference.

Country	Unit	Par	1920	192	1 1	922	1923	1924
United Kingdom		\$4. 8665	\$3.664			. 4292	\$4, 5748	<u></u> \$4. 4170
Germany.		. 2382	. 175			. 2382 . 0820	. 0020	. 0523
France		.1930 .1930	.070			. 0768	. 0521	. 0323
Belgium Netherlands	Quilder	. 1930	. 073			. 3849	. 3910	. 3821
		. 1930	. 049			. 0476	. 0460	. 0436
Italy Switzerland	Franc	. 1930	. 1690			. 1906	. 1806	. 1822
Austria		. 2026	. 1094		100	1900	. 1800	. 1022
Czechoslovakia	do	, 2020				0242	. 0295	. 0295
Sweden	do	. 2680	. 204	2		2617	. 2655	. 2652
Norway	do	. 2680	. 165:			1750	1667	. 1394
Denmark	do	2680	. 157			2095	1836	1672
Japan	Van	4985	. 503			4780	4858	. 4119
	1 64	. 1000		·	540	. 1700	. 1000	
Country	Unit	Par	1925	1926	1927	1928	3 1929	1930
United Kingdom	Pound		\$4. 8289	\$4. 8582	\$4. 8610			\$4.8621
Germany	Mark		. 2380	. 2379	. 2376	. 238		. 2385
France	Franc		. 0476	. 0324	. 0392	. 039		. 0392
Belgium	do	. 1930	. 0475	. 0326	, 0298	. 027		. 0279
Netherlands	Guilder		. 4016	. 4009	. 4011	. 402		. 4023
Italy	_ Lira		. 0398	. 0389	. 5156	. 525		, 5237
Switzerland	Franc		. 1932	. 1931	. 1926	. 192		. 1938
Austria	Crown		. 1406	. 1407	. 1407	. 140		. 1409
Czechoslovakia	. do		. 0296	. 0296	. 0296	. 029		. 0296
Sweden	do	. 2680	. 2685	. 2676	. 2681	. 268		. 2685
Norway	_ do	. 2680	. 1788	. 2233	. 2605	. 266		. 2676
	ملتا	. 2680	. 2113	. 2622	. 2672	1.267	4 . 2668	2676
Denmark Japan			. 4104	4711	4714	. 464		. 4939

