BANK OF FINLAND MONTHLY BULLETIN

No 6 JUNE · 1922

FINNISH MARKET REVIEW.

THE MONEY MARKET.

In our last number it was conjectured that a change for the better in the comparatively tight state of the money market would occur as soon as the shipments of timber attained their full scope. This conjecture proved to be right. The state of the money market was considerably better in June.

Home deposits in the commercial banks increased altogether by 86.6 million marks to a total of 4,009.7 million marks. This is the first time deposits have exceeded the four milliard marks. It is certainly to be observed that a part of the aforementioned increase depends on the fact that the bi-annual interest on long term deposits is added to the capital at the end of June. But without doubt, part of the increase was substantial and it may further be noted that current accounts, which had decreased during the two preceding months, increased again in June by 17.5 million marks. Loans increased, on the other hand, only by 36.8 million marks. Thus the proportion of home loans to home deposits showed a noticeable improvement.

The situation of the commercial banks with regards to other countries, which during the three preceding months had deteriorated, improved again in June. The net indebtedness to other countries decreased by 33.5 million marks. This also is probably a result of the increased briskness in export.

Business on the Stock Exchange was specially dull in June. The whole turnover on the Hel-

singfors Stock Exchange amounted to only 6.4 million marks in the said month, which is the smallest monthly total reached during the last few years. The tendency of the market continued to be downward. The index-number for the more important stocks and shares fell from 143 to 141.

The number of bills protested declined from 370 in Maj to 345 in June, which may also be taken as a sign of an improved money market.

Certain considerable changes occurred during June in the position of the Bank of Finland. The most noticeable of these was a decrease in claims on foreign correspondents of 73.3 million marks, the figure standing now at 79.9 million marks. Treasury bills decreased by 25.0 million marks. Part of the notes accruing at the Bank through the aforementioned events came into circulation again owing to the increase in inland bills, viz. by 47.9 million marks to a total of 755.0 million marks. The note issue went down during June by 26.9 million marks to a total of 1,373.1 million marks. Certain of the aforementioned changes would imply a deterioration in the Bank's position. This proves, however, to be only temporary. The two first weeks of July already show a considerable increase in claims on correspondents abroad and a decrease in the bill portfolio while the note issue has declined further, owing to the increases in current accounts, to an amount smaller than that with which the year was begun.

THE BUSINESS MARKET.

Foreign trade, both import and export, was specially lively in June. In quantity, imports were 88.0 % and exports 93.5 % of the import and export of the corresponding month in 1913. The value of imports was 425.9 million marks and that of exports 533.2 million marks, the preponderance of exports being thus 107.3 million marks. The trade balance, which during the four preceding months had been unfavourable, as is usual during the winter months, was thus favourable again.

Of the imports, those rising above the ordinary in amount were foodstuffs, sugar in particular, and coal, the import of which seems to be growing. The great increase in exports was due, as is easily guessed, to the growth in timber shipments. This time, the export particularly of unsawn timber was considerable, 237.100 cub. metres, which is the greatest quantity of unsawn timber ever sent out in any single month since the war. Sawn timber was exported to an amount of 140.000 standards. Chemical pulp, the import of which has been especially lively lately, declined somewhat in June.

The timber market has continued to be favourable, the amounts sold increasing in a normal degree. On the paper and wood-pulp market no change worthy of note has occurred.

The production and export of butter are on the increase again. During the present year, the export has each month exceeded the figures for the corresponding month last year. To all appearance, the export of butter for the current year should rise to a good two-thirds of the export for 1913. Judging from the amounts of freight on the railways and the increase in railway receipts, the home markets are specially active also.

The outlook for the year's harvest has improved during June, so that even rye, which suffered most from the unfavourable winter, should yield a fair average harvest unless the late summer prove specially unkind.

THE LABOUR MARKET.

Also during June there were labour disturbances in certain quarters, more especially in the sawmill industries, and, in certain towns, in the building trades. The demands for increased wages were apparently due in some cases to the fact that the cost of living rose from the beginning of June. This was in turn due to the rise in house-rents, which rose considerably after the restrictions on the freedom of the house-owners had been mitigated. The index-number for rent (see Table 27) rose hereby from 602.5 to 753.9 and that for the total cost of living (rates and taxes omitted) chiefly on this account from 1,033.s to 1,055.9. But in many cases it could also be shown that the strikes were not economical in nature, but had been caused by the efforts of communists to bring about disturbances in industry. Doubtlessly, one factor in the matter was the coming elections for the Diet in the beginning of July. The strikes proved, however, generally futile and were only of short duration. Work was also in many cases kept up by labour recruited outside of the striker's circle.

In this connection, it may be mentioned that the communists, who took part in the elections for the first time as a separate party, achiewed only 26 seats out of 200, or $13 \, {}^{\circ}/_{\circ}$.

STATISTICS.

1. — BALANCE SHEET OF THE BANK OF FINLAND. 1)

·	1921 Mill. Fmk		_	2 2 Fmk	
	31/13	23/6	⁸⁰ / ₆	8/7	15/7
ASSETS.					
I. Gold Reserve	42.6	42.6	42.4	42.e	42.4
Foreign Correspondents	215.7	101.9	79.9	90.1	100.7
II. Finnish Silver Coin	0.5	0.5	0.5	0.5	0.5
Bonds in Foreign Currency	9.2	8.6	8.3	8.3	8.3
Foreign Bank Notes and Coupons	0.8	0.в	0.9	1.8	0.8
» Bills	8.4	23.8	22.4	22.4	22.3
Finnish State Bonds in Finnish Currency	525.5	518.6	518.6	518.6	518.6
Treasury Bills	303.9	216.7	191.7	191.7	191.7
Inland Bills	627.5	765.2	755.0	751.a	740.1
III. Loans on Security	28.4	45.8	45.8	45.8	45.8
Advances on Current Accounts	1.2	0.4	0.4	3.4	3.8
Bank Premises and Furniture	6.0	6.2	6.2	6.2	6.2
Sundry Assets	50.5	66.7	83.8	70.3	78.0
Total	1 820.2	1 797.6	1 755.6	1 753.0	1 759.4
LIABILITIES.			•		
Liabilities payable on demand:	:				
Notes in circulation	1 356.1	1 367.9	1 373.1	1 363.6	1 342.a
Drafts outstanding	2.8	3.2	9.9	2.4	3.6
Balance of Current Accounts due to Government	128.6	59.4	13.3	23.7	23.1
, , , , Others	57.9	73.5	60.5	67.2	98.0
Foreign Correspondents	12.6	15.7	15.7	16.0	15.1
Sundry Accounts	36.2	13.1	14.4	9.4	6.5
Earnings less Expenses		49.3	53.2	55.2	55.0
Gapital	100.0	100.0	100.0	100.0	100.0
Reserve Fund	50.0	50.0	50.0	50.0	50.0
Bank Premises and Furniture	6. ₀ 70. ₀	6.0	6.0	6.0	6.0
Profits at disposal		59.5	59.5	59.5	59.5
Total	1 820.2	1 797.6	1 755.6	1 753.0	1 759.4

2. — NOTE ISSUE OF THE BANK OF FINLAND.

	1921		19	2 2	
	³¹ / ₁₂	23/6	³⁰ / ₆	8/7	15/7
RIGHT TO ISSUE NOTES:					
Gold Reserve and Foreign Correspondents Additional Right of Issue	258.a 1 500.e	144. ₅ 1 500. ₀	122. ₅ 1 500. ₀	132. ₇ 1 500. ₀	143. ₃ 1 500. ₀
Total	1 758.3	1 644.5	1 622.5	1 632.7	1 643.3
Less Insufficient Supplementary Cover 2)	24.2		2.6	5.4	17.7
Right to Issue Notes	1 734.1	1 644.5	1 619.9	1 627.3	1 625.6
USED AMOUNT OF ISSUE:					i
Notes in circulation	1 356. ₁ 238. ₁ 0. ₅	1 367.9 164.9 0.8	1 373.1 113.s 0.3	1 363.6 118.7 2.3	1 342.6 146.3 1.9
Total	1 594.7	1 533.1	1 487.2	1 484.6	1 490.8
NOTE RESERVE	139.4	111.4	132.7	142.7	134.8
Total	1 734.1	1 644.5	1 619.9	1 627.3	1 625.6

¹⁾ Made up in accordance with the regulations regarding the Bank's note issue, contained in the Law of Dec. 30, 1921.
2) Difference between 1 500 million marks, being the maximum of the Bank's fiduciary note issue, and assets (above under group II) serving as supplementary cover for the note issue.

3. — CLEARING.

						Tot	al		
Month	Bank-P	ost-Bills	Une	ques	19	922	19	21	Month
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
		Mill. Fmk		Mill. Fmk		Mill. Fmk		Mill. Fmk	
January February March April May June July August Septemb. October Novemb. Decemb.	31 148 29 146 35 217 33 834 36 445 34 172	306.1 283.5 355.7 340.2 344.8 336.7	6 501 5 626 6 977 6 467 7 469 7 027	332.4 403.1 372.6 386.2 455.2 444.0	37 649 34 772 42 194 40 301 43 914 41 199	638.5 686.6 728.3 726.4 800.0 780.7	31 239 26 983 29 037 33 737 35 610 33 407 34 711 33 683 35 235 39 487 39 094 40 506	547.8 479.7 526.0 595.1 595.6 760.6 737.0 724.3 833.8 872.0 810.5 752.0	January February March April May June July August Septemb. October Novemb. Decemb.
Total JanJune	199 962	1 967.0	40 067	2 393.5	240 029	4 360.5	412 729 190 013	8 234.1 3 504.8	Total JanJune

4. — RATES OF EXCHANGE QUOTED BY BANK OF FINLAND, MONTHLY AVERAGE.

Month	London	Paris	Brussels	Berlin	Amster- dam	Basle	Stock- holm	Chris- tiania	Copen- hagen	New York	Reval	Month
Par. 1921	25: 22	100:—	100:—	123: 46	208: 32	100:—	138: 89	138: 89	138: 89	5: 18	100: —	Par. 1921
July	221: 43	476: 62	468: 19	80: 05	1 941: 15		1 283: 92			60: 88	_	July
Aug. Sept.	242: 68 263: 37	515: 67 518: 58	501: — 510: 50	79: 61 69: 65	2 064: — 2 243: 46	1 129: 52 1 226: 08			1 072: — 1 249: 77	66: 58 70: 80	_	Aug. Sept.
Oct. Nov.	251: 68 211: 71	471: 68 383: 54	465: — 370: 23	46: 64 21: 62	2 169: 16 1 861: 58		1 496: 12 1 236: 92		1 230: 64 985: 58	65: 46 53: 57	_	Oct. Nov.
Dec.	218: 92	410: 04	394: 80	28: 07	1 917: 80	1 030: 88			1 027: 40	52: 94	=	Dec.
1922												1922
Jan.	223: 78	431: 70	414: 96	28: 09	1 947: 35	1 035: 78			1 059: 35	53: 10		Jan.
Febr.	216: 84	432: 25	412: 50	24: 25	1 870: 67	979:71			1 025: 25	49: 90		Febr.
March April	210: 94 229: 27	433: 73 478: 55	406: 92 442: 41	17: 68 18: 13	1 825: 23 1 971: 68	941: 50 1 016: 91			1 016: 92 1 102: 50	48: 29 52: 10	15: 36	March
May	212: 74	436:—	399: 96	16: 59	1 848: 60	924: 96			1 023:88	47: 89	14: 54	
June	205: 46	405: 83	380: 46	14: 99	1 788: 17	883: 63	1 191: 67	791:88	1 001: 17	46: 21	14: 04	June
July	208: 75	386: 88	367: 15	10: 04	1 820: 19	902: 35	1 218: 27	783:	1 011: 42	47: 06	14: —	July

5. — HOME DEPOSITS IN THE FINNISH COMMERCIAL BANKS.

End of					Deposit Mill. Fmk	II			End of		
Month	1913	1921	1922	1913	1921	1922	1913	1921	1922	Month's Move- ment	Month
January February March April May June July August Septemb. October Novemb. Decemb.	57.9 54.8 56.8 55.6 55.7 57.7 57.9 58.1 54.6	919.8 926.0 987.2 1 004.7 1 027.5 1 005.7 1 017.8 971.0 957.4 991.1 951.7 944.8	977.7 961.2 1 028.1 1 020.9 990.8 1 008.3	595.9 599.6 603.3 603.8 601.6 609.7 613.8 612.8 611.7 605.3 619.2	2 762.7 2 763.2 2 783.8 2 802.3 2 808.7 2 906.9 2 916.8 2 890.4 2 863.2 2 853.2 2 797.9 2 844.0	2 873.7 2 898.7 2 910.9 2 936.6 2 932.3 3 001.4	653.8 654.4 660.1 657.8 657.4 665.3 669.0 673.5 670.7 671.4 663.4 673.8	3 682.3 3 689.2 3 771.0 3 807.0 3 836.2 3 912.6 3 934.1 3 861.4 3 820.6 3 749.6 3 748.8	3 851.4 8 859.9 3 939.0 3 957.5 3 923.1 4 009.7	+ 63.1 + 8.5 + 79.1 + 18.5 - 34.4 + 86.6	February March April May

According to Finland's Official Statistics VII. D. Bank Statistics.

6. — HOME LOANS GRANTED BY THE FINNISH COMMERCIAL BANKS.

End of	1	Inland Bills Mill. Fmk		Loan	s and Over Mill, Fmk	drafts		Total Mill, Fmk			End of
Month	1913	1921	1922	1913	1921	1922	1913	1921	1922	ment	Month
Jan. Febr. March April May June July Aug. Sept. Oct. Nov. Dec.	290-2 292-1 294-7 294-7 297-1 289-0 281-8 278-4 278-4 275-0 274-1	1 494.1 1 440.3 1 425.8 1 480.7 1 568.9 1 610.5 1 632.2 1 706.1 1 760.1 1 734.2 1 670.9 1 584.3	1 570.1 1 568.0 1 584.1 1 733.3 1 834.2 1 847.3	459.8 465.4 467.2 472.8 478.5 474.9 470.1 472.3 470.5 477.7 473.4 469.3	4 115.8 4 193.3 4 215.5 4 304.6 4 351.6 4 415.8 4 477.3 4 539.7 4 499.2 4 502.1 4 421.5 4 388.6	4 298.7 4 372.8 4 404.5 4 317.8 4 266.5 4 290.2	750.0 757.5 761.9 770.9 779.9 772.0 759.1 753.6 748.9 755.8 749.8 749.8	5 609.9 5 633.6 5 641.9 5 785.3 5 785.3 6 026.3 6 109.5 6 245.8 6 259.3 6 259.3 6 259.2 6 259.3 6 259.3 6 259.3	5 868.8 5 940.8 5 988.6 6 051.1 6 100.7 6 137.5	+ 47.8 + 62.5 + 49.6	Jan. Febr. March April May June July Aug. Sept. Oct. Nov. Dec.

According to Finland's Official Statistics VII. D. Bank Statistics.

7. — POSITION OF THE FINNISH COMMERCIAL BANKS WITH REGARD TO FOREIGN COUNTRIES.

End of		Credita Mill. Fm			Debts Mill, Fm	k _	1	vet Deb Mill. Fmk	_	Month's	End of
Month	1920	1921	1922	1920	1921	1922	1920	1921	1922	Movement	Month
January February March April May June July August September October November December	157.3 114.1 77.3 83.2 88.5 101.1 88.2 90.4 119.2 168.4 70.9	43.1 49.4 56.3 88.9 73.5 114.7 131.1 132.2 128.2 84.0 86.8	96.8 116.2 86.7 103.5 84.7 81.8	572.0 549.4 548.6 547.1 578.9 612.2 640.2 657.1 689.2 717.1 796.8 795.9	823.s 678.s 738.s 880.7 987.0 1094.s 1164.s 1236.7 1191.s 1127.s 1039.1	944.8 936.4 947.6 1 034.6 1 036.3 999.9	414.7 435.8 471.8 463.9 490.4 511.1 552.0 566.7 570.0 548.7 725.4 741.8	780.5 629.4 681.9 791.8 913.5 979.7 1 033.7 1 104.5 1 052.4 999.2 955.1	848.0 820.2 860.9 931.1 951.6 918.1	59.8 27.8 + 40.7 + 70.2 + 20.5 33.5	January February March April May June July August September October November December

According to Finland's Official Statistics VII. D. Bank Statistics.

8. — BANKRUPTCIES AND BILLS PROTESTED.

	Bai	nkrup	tcles]	Bills Prot	ested			
Month	1	vumb(er		Num	ber		Month				
	1913	1921	1922	1913	1920	1921	1922	1913	1920	1921	1922	
January February March April May June July August September October November December	67 62 62 75 70 53 51 62 62 66 69	32 40 42 35 31 24 25 13 22 26 45 24	39* 33* 37* 33*	959 762 957 881 861 807 820 799 838 888 762	264 197 225 230 201 229 272 209 197 195 236 397	392 299 385 266 267 279 239 222 290 379 487 468	422 398 364 313 370* 345*	2 776 572 2 058 523 1 116 242 1 182 381 987 084 803 449 826 565 1 009 717 1 046 329 830 339 627 718 1 035 126	1 887 187 737 476 1 091 773 35 148 644 1 444 857 2 571 764 2 190 292 1 052 384 1 337 312 2 586 333 1 824 859 3 888 112	3 256 407 3 991 840 4 226 417 2 998 643 4 036 483 2 220 208 2 306 286 4 372 719 4 348 018 4 434 386 7 675 952 5 244 829	4 868 271 2 655 837 2 482 270 2 772 569 3 611 654* 2 753 271*	
Total		359		10 276 5 227	2 852	3 973		14 300 045	55 760 993		19 143 872	Total

The bankruptcy reports for 1913 and 1920 give the number of bankruptcy proceedings during the respective months, in which the first notice calling together the creditors has been published in the Official Gazette. Those for 1922 have been sent in to the Central Statistical Office by the various Courts and refer to the number of bankruptcy petitions for the respective months which will lead in due course to actual bankruptcy.

Bills protested according to figures published in the *Report of Bills Protested in Finland*.

* Preliminary figures subject to minor alterations.

9. — TURNOVER OF HELSINGFORS STOCK EXCHANGE.

Month		Shares Mill. Fmk		Bonds		Total Mill. Fmk		Month
	Banks	Industries	Miscel- laneous	Mill, Fmk	1922	1921	1920	
January February March April May June July August September October November December	8.6 8.8 6.3 5.0 8.3 3.7	2.1 2.4 3.0 2.4 3.0 1.5	0.6 0.8 0.7 0.7 1.0 0.4	0.8 1.3 0.5 2.7 5.0 0.8	12.1 13.1 10.5 10.8 17.3 6.4	33.5 26.7 26.2 16.2 13.6 9.8 7.6 11.8 18.4 29.2 15.6 9.3	131.a 77.4 106.s 47.7 21.7 31.7 45.5 56.6 64.1 39.4 32.2 31.9	January February March April May June July August September October November December
Total JanJune	40.7	14.4	4.0	11.1	70.2	217.9 126.0	686-2 416-5	Total JanJune

According to figures given by the Stock Exchange Committee.

10. — STOCK EXCHANGE INDEX.

Average Quotations for a few of the Leading Stocks and Shares at the Helsingfors Stock Exchange													
Year	Jan.	Febr.	March	April	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1919 1920 1921 1922	300 322 214 - 152	296 327 192 160	289 331 175 160	267 305 167 150	267 284 165 143	274 288 175 141	276 303 169	286 315 169	288 296 167	290 248 160	286 213 - 154	300 196 147	1919 1920 1921 1922

According to figures published in the Mercators.

In calculating the above index-figures 16, since jan. 1922 15, investments have been taken into account, of which 6 bank shares, 8 industrial ditto and 2 others. The value of the total number of each of the included shares sold during the month has been divided by the number of shares sold, by means of which an average rate for each was obtained. These average rates were then calculated in percentages of the nominal value of the shares and added together, the total thus obtained being divided by the number of shares included in the index.

11. — PUBLIC DEBT OF FINLAND.

End of		Foreign Mill, Fmk			Internal Mill. Fmk			T o Mill,	tal Fmk		End of
Month	Funded	Floating	Total	Funded	Floating	Total	Funded	Floating	Total	Month's Move- ment	Month
1921											1921
January February March April May June July August Septemb. October Novemb. Decemb.	304.1 526.4 540.7 543.4 545.1 547.8 548.8 553.1 552.7 536.8 536.0 535.5	136.4 136.5 136.5 136.5 136.5 149.2 149.2 149.2 149.2 149.2	440.5 663.1 677.2 679.9 681.6 683.8 698.0 702.3 701.8 685.5 685.2	923.9 931.3 932.3 934.6 953.3 955.0 954.9 955.2 955.8	584.8 549.0 534.0 516.7 459.3 363.3 334.2 294.4 294.4 295.0 286.3	1 508.7 1 480.8 1 466.8 1 450.7 1 394.5 1 375.6 1 318.8 1 289.1 1 249.4 1 250.6	1 228.0 1 457.9 1 473.0 1 477.4 1 479.7 1 500.6 1 503.8 1 507.6 1 491.8 1 491.4	721.2 685.6 670.5 653.2 596.4 558.8 512.5 483.4 443.6 443.4	1 949.a 2 143.4 2 143.5 2 130.6 2 076.1 2 059.4 2 016.3 1 991.4 1 951.2 1 934.9 1 936.0 1 933.8	+ 194. ₂ + 0. ₁ - 12. ₉ - 54. ₅ - 16. ₇ - 43. ₁ - 24. ₉	February March April May June July August Septemb. October Novemb.
1922 January February March April May June	535. ₅	156.1 156.1 156.1 156.1 156.1 156.1	691.6 691.6 691.4 691.4 691.4	955.9 955.9 956.4 956.5 956.6	267.8 249.8 248.6 243.3 219.2 194.9	1 223.7 1 205.2 1 205.0 1 199.8 1 175.8 1 151.5	1 491.4 1 491.4 1 491.7 1 491.8 1 491.9	423.9 405.4 404.7 399.4 375.3 351.0	1 915.3 1 896.8 1 896.4 1 891.2 1 867.2 1 842.4	18.5 18.5 0.4 5.2 24.0	1922 January February March April May June

The above table is based on the monthly report on the Public Debt published by the Treasury in the Official Gazette. Internal loans are given at their nominal value. Foreign loans are given in Finnish currency according to the rate prevailing on the date of the raising of the loan. As a result of this, loans of an earlier date than 1914 are set down at par.

12. — MISCELLANEOUS STATE RECEIPTS COLLECTED BY CUSTOMS.

(000' omitted.)

Month	Import Customs and Storage Charges	Export Customs	Export Charges	Clearing Charges	Light Dues	Excise on Tobacco	Exclse on Matches	Month
1922								1922
January February March April May June July August September October November December	29 360 25 895 41 805 67 434 78 198 78 902	756 569 1 140 1 556 2 385 3 935	471 277 584 831 1 680 3 633	47 22 49 65 234 392	288 138 305 448 2231 3026	6 269 8 911 8 893 10 485 10 801 11 063	381 2 490 1 453 1 166 966 928	January February March April May June July August September October November December
JanJune 1922	236 657 129 527	10 341 5 728 11 412 2 254	7 476 17 555 16 158	809 495 628 155	6 431 1 868 1 883 610	56 422 59 556 74 310	7 384	JanJune 1922 9 1921 9 1920 9 1919
According to the Budget 1922	531 000	20 000	10 000	2 000	7 500	120 000	15 000	According to the Budget 1922

Tables 12-21 according to Finnish Official Statistics I. A., Foreign Trade of Finland, Monthly Reports.

13. — VALUE OF FINLAND'S IMPORTS AND EXPORTS.

Month		Imports I. F. Valu Mill, Fmk	e)	(F.	Exports O. B. Val Mill. Fmk	ue)	Surplu	s of Import Exports (- Mill. Fmk	Month	
	1913	1921 ¹)	1922	1913	1921 ¹)	1922	1913	1921	1922	
January February March April May June July August September October November December	29.9 26.6 30.0 32.3 52.8 43.0 43.5 40.3 51.8 61.4	194.7 271.1 170.3 297.0 340.3 332.4 293.8 349.7 377.5 366.5 285.6 304.2*	146.1* 116.6* 225.7* 322.3* 456.4* 425.9*	13.0 14.2 13.6 17.3 36.6 49.1 56.6 52.1 50.3 42.9 32.3 26.8	95.4 64.2 58.5 111.2 138.9 247.5 338.3 393.7 546.1 562.8 515.4 314.2*	146.5* 116.3* 200.0* 256.0* 333.3* 533.2*	12.4 16.4 15.0 16.0		- 0.3* - 25.7* - 66.3* -123.1* +107.3*	April May
Total JanJune	495.4 214.4	3 582.s* 1 605.s	1 693.0*	404.8 143.8	3 385.7* 715.7	1 585.3*	— 90.6 — 70.6	196.9* 890.1		Total JanJune

The term import covers all imported goods which have been let out into the market either immediately after importation or after storage.

Export covers all goods exported from the open market, including re-exports.

Goods are notified to the Customs by their owner, who must thereby state also the value of the goods as calculated at the boundaries of the country. Consequently, imports are given according to their C. I. F. value and exports F. O. B.

¹⁾ The figures for 1921 are adjusted by statements obtained later, of which only those, regarding a portion of sales and purchases of vessels are lacking, which statements always are included later in the commercial statistics.

* See note p. 5.

14. — VALUE OF FINLAND'S IMPORTS AND EXPORTS IN DIFFERENT GROUPS OF GOODS.*

Second and their products Second and speed Second and seed Second and seed	1921 Fmk 2 594 501 22 159 864 1 255 923 1 677 012 440 166 1 567 190 8 335 83 009 2 300 727 267 238 98 686 036
Fink Fink Fink Fink Fink Fink Fink Fink	Fmk 2 594 501 22 159 864 1 255 923 1 677 012 440 166 1 567 190 — 8 335 83 009 2 300 727 267 238
Live animals	2 594 501 22 159 864 1 255 923 1 677 012 440 166 1 567 190 — 8 335 83 009 2 300 727 267 238
Food obtained from animals Cereals and their products. Fodder and seed	22 159 864 1 255 923 1 677 012 440 166 1 567 190 — — 8 335 83 009 2 300 727 267 238
3 Cereals and their products. Fodder and seed	1 255 923 1 677 012 440 166 1 567 190 — 8 335 83 009 2 300 727 267 238
Fodder and seed	1 677 012 440 166 1 567 190 8 335 83 009 2 300 727 267 238
b Fruit, vegetables, live plants, etc. 7 293 411 35 615 270 29 798 957 65 927 956 475 Colonial produce and spices 7 409 762 215 645 466 357 589 287 199 432 1 325 874 Preserves, in hermetically sealed packages 140 403 592 658 659 735 213 195 874 355 Beverages 449 962 3 586 485 1 116 510 456 2 223 Spinning materials 31 893 389 157 707 505 86 793 446 38 165 200 145 Yarns and ropes 10 223 315 45 726 438 26 845 720 7 889 399 599 11 Diverse textile products 16 427 336 62 931 058 55 627 804 835 136 2 397 679 13 Timber and wooden articles 970 311 5 483 935 5 906 883 351 181 038 531 291 029 19 14 Twigs, and articles made from same 2 192 138 9 463 112 2 133 727 184 657 381 598	440 166 1 567 190 — — 8 335 83 009 2 300 727 267 238
6 Colonial produce and spices Preserves, in hermetically sealed packages	1 567 190
7 Preserves, in hermetically sealed packages	8 335 83 009 2 300 727 267 238
8 sealed packages 140 403 592 658 659 735 213 195 874 355 9 Beverages 449 962 3 586 485 1 116 510 456 2 223 10 Spinning materials 31 893 389 157 707 505 86 793 446 38 165 200 145 10 Yarns and ropes 10 223 315 45 726 438 26 845 720 7 889 399 599 11 Diverse textile products 16 427 336 62 931 058 55 627 804 835 136 2 397 679 13 Timber and wooden articles 970 311 5 483 935 5 906 883 351 181 038 531 291 029 14 Twigs, and articles made from same 2 192 138 9 463 112 2 133 727 184 657 381 598	83 009 2 300 727 267 238
8 Beverages	83 009 2 300 727 267 238
Spinning materials	83 009 2 300 727 267 238
11 Cloth	2 300 727 267 238
12 Diverse textile products	267 238
13 Timber and wooden articles 970 311 5 483 935 5 906 883 351 181 038 531 291 029 19 19 19 19 19 19 19 19 19 19 19 19 19	
14 Bark, cane, branches or twigs, and articles made from same	20 000 030
twigs, and articles made from same	
from same	I
	265 736
15 Board, cardboard and paper, and articles made from	
same	24 875 359
16 Hair, bristles, feathers toge-	
ther with bones, horn and other carvable goods not	
separately mentioned, and	
articles made from same 923 597 5 127 282 4 762 234 46 488 795 524	640 392
17 Hides and skins, leather-	020 002
	16714775
18 Metals and metal goods . 42 130 958 158 064 048 171 217 029 1 597 519 5 174 621 19 Machinery and apparatus. 29 761 362 87 201 535 144 097 141 774 468 3 768 781	2 941 856
19 Machinery and apparatus 29 761 362 87 201 535 144 097 141 774 468 3 768 781 20 Means of transport 7 705 409 30 037 954 32 140 091 563 175 2 037 285	3 308 241 4 760 590
21 Musical instruments, instru-	2,00000
ments, clocks and watches 2 407 781 8 805 595 9 873 017 5 320 5 320	600
22 Stones and earths, and articles made from same . 14 154 439 44 616 148 27 844 771 1 885 700 5 876 103	0.000.015
ticles made from same .	3 869 847
her and products made	
from same	4 613 935
24 Oils, fats and waxes, and products of same 14 890 915 60 344 200 37 563 435 43 269 370 168	240 450
products of same 14 890 915 60 344 200 37 563 435 43 269 370 168	610 473
cally described, ethereal	ļ
oils, cosmetics, etc 580 381 2 851 610 2 061 031 681 715 2 476 110	798 000
28 Colours and dyes 6 574 286 25 740 876 15 857 186 109 284 204 068	69 071
Explosives, fire-arms and materials, fuses and fire-	
works	6 908 357
28 Chemical element and com-	0 300 337
binations thereof and	
drugs	591 906
23 Fertilizers	
educational materials, of-	
fice fittings, etc 2 080 293 9 772 360 7 421 200 244 950 2 456 441	1 290 003
31 Articles not specified else-	
where 2 225 637 10 390 988 9 267 024 17 930 358 103	985 495
	04 284 637
2072104 10 507 221	11 336 024
Total 425 854 078 1 692 974 320 1 605 885 897 533 211 978 1 585 262 176 7	15 620 661

^{*} See note p. 5.

15. — IMPORTS OF THE MOST IMPORTANT ARTICLES.

Month		Rye Tons			Rye Flour Tons			Month		
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January February	903.s 974.s	0. ₃ 2 279. ₆	1 278. ₇ * 2 402. ₇ *	7 844.3 8 619.6	 473.e	101.8* 195.4*	69. ₇ 12.4	_	— 19.s*	January February
March	1 391.5	1 757. ₈	7 669.8*	9 524.5	2 8 10.5	1 299.2*	10.5	-	19.8*	March
April May	906.s 6 902.s	5 346. ₄ 5 108. ₂	5 100.0* 11 494.7*	5 218.s 22 320.o	2 387. ₄ 3 008. ₃	1 576.e* 1 826.e*	23. ₀ 51. ₅	10.6 48.3	2.2* 14.5*	April May
June July	3 696.s 5 981.s	7 632.1 49.9	7 519.3*	16 083.5 14 597.3	1 279.s 714. ₇	2 155.6*	22. ₂ 0. ₃	48.s 6.9	2.4*	June July
August	4 769.6	1 170.6 7 632.8		12 149.3	456.8		24.3	10.6		August
Septemb. October	13 264.9 16 126.1	6 795.6		28 854.6 37 290.8	308.s 891.s		30. ₂ 66. ₄	1. ₁ 14. ₀		Septemb. October
Novemb. Decemb.	9 643. ₉ 1 048. ₉	8 697.4 4 905.8		24 991. ₀ 8 536. ₈	1 073.4 2 308.s		$\substack{28.0\\29.8}$	72.9 57.6		Novemb. Decemb.
Total JanJune	65 610.4 14 775. ₅	51 376.0 22 124.4	35 464.7*	196 030. ₃ 69 610. ₅	15 713. ₀ 9 959. ₈	7 154.8*	368. ₃ 189. ₈	270.6 107.5	58.7*	Total JanJune

Month	Wheate	of Wheat Tons		Rice a	nd Grain of Tons	ł Rice		Month		
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January February March April May June July August Septemb. October Novemb.	8 858.2 5 904.9 5 799.8 5 950.5 14 905.8 10 647.2 10 108.0 6 870.2 8 862.9 16 045.8 15 444.7	24.a 2 604.a 2 921.a 5 952.1 6 188.0 7 056.a 6 144.a 5 435.a 6 025.7 3 537.a	2 582.4* 2 990.0* 4 508.1* 6 020.2* 9 046.7* 9 869.8*	16.7 50.9 77.5 2 856.5 1 636.4 2 895.2 1 161.2 2 060.6 185.9	0.2 247.1 42.1 3 168.6 3 783.6 2 084.5 1 039.4 2 786.7 1 205.0 1 231.4 247.5	119.a* 299.0* 774.7* 810.a* 1 188.5* 2 369.4*	579.2 423.3 658.3 562.8 796.5 1 053.2 589.2 370.8 428.5 799.4	38.5 40.6 87.7 342.6 800.7 476.0 622.1 338.4 391.9 429.0	30.5* 10.0* 70.5* 48.7* 115.1* 165.6*	January February March April May June July August Septemb. October Novemb.
Decemb.	9 034.3			136. ₄	612.6		386. ₉	300. ₂ ,		Decemb.
JanJune			35 017.2*		9 326.1	5 561.0*		1 786.1	440.4*	JanJune

Month		Coffee Tons		(Refin	Sugar ed and Unr Tons	efined)	R	Month		
	1913	1921	1922	1913	1921	1922	1913	1921	1922]
January	623.9	651.4	849.9*	3 659.9	2 641.0	214.6*	326.4	18.0	124.9*	January
February	745.4	1 332.1	739.8*	3 702.2	7 298.4	118.3*	324.3	39.9	137.0*	February
March	510.7	1 398.6	915.6*	3 250.1	0.9	1 080.6*	284.7	75.7	136.0*	March
April	719.4	848.2	1 977.7*	3 777.2	2 697.6	2 531.5*	353.7	90.0	131.6*	April
May	1812.4	1 561.1	1 534.2*	3 835.0	3 086.4	4 355.4*	297.2	100.1	167.2*	May
June	1 300.0	983.6	1 407.s*	3 502.3	5 993.9	6 551.5*	260.1	124.8	154.5*	June
July	808.8	1 195.5	1	3 031.3	5 504.6	1 1	315.7	120.s		July
August	946.5	1 049.2		3740.7	4 418.6		320.7	182.3		August
Septemb.	1 494.4	1 025.7		5 945.3	3 025.3	1	295.4	171.8		Septemb.
October	1899.8	1 139.s		5 9 16.5	4 455.1		462.3	144.8		October
Novemb.	1 286.6	790.5	}	4 397.4	4 898.4		327.3	134.8		Novemb.
Decemb.	719.0	684.8	.	2 907.5	10 243.6]	192.7	101.8		Decemb.
Total	12 866.9	12 660.0		47 665.4	54 263.8		3 760.5	1 304.6		Total
JanJune		6 775.a	7 424.5*	21 726.7	21 718.2	14 851.9*	1 846.4	448.5	851.2*	JanJune

^{*} See note p. 5.

15. — IMPORTS OF THE MOST IMPORTANT ARTICLES. — Continued.

Month	H	taw Cotton Tons			Wool Tons			Month		
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January February March April May June July August Septemb. October Novemb. Decemb.	1 153.1 659.9 668.4 561.5 998.1 541.6 709.4 700.2 214.2 557.0 842.9	456.1 481.2 248.3 699.0 950.8 377.8 448.5 837.9 339.0 908.6 732.8 824.9	188.8* 192.5* 1 045.6* 494.2* 778.1* 631.7*	66.8 80.9 79.1 86.6 39.5 37.1 57.8 61.8 118.4 81.8 103.8 53.8	34.7 30.4 26.7 61.9 77.3 93.5 98.6 99.4 55.1 118.3 55.4	80.s* 171.1* 72.s* 277.2* 236.3* 190.s*	536.6 508.5 707.3 423.3 317.0 284.6 421.1 1 274.1 1 940.0 2 024.1 1 698.2 1 447.0	293.0 761.2 2 196.9 706.2 211.3 974.5 719.1 1 273.0 96.2 1.0	9.8* 151.9* 2 171.1*	January February March April May June July August Septemb. October Novemb. Decemb.
Total JanJune	8 454.1 4 582.5	7 304. ₉ 3 213. ₂	3 330.8*	866. ₄ 389. ₅	870. ₁ 324. ₅	1 028.8*	11 581.7 2 777.2	8 216.6 5 143.1	2 885.4*	Total JanJune

Month		Raw Hides Tons			Ceal Tons			Month		
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January February March April May June July August Septemb. October Novemb. Decemb.	558.7 371.3 336.4 539.5 753.1 586.6 420.0 694.2 416.8 440.2 390.8	50.a 16.a 156.1 165.s 601.a 62.s 196.a 146.4 259.s 515.s 430.e 285.o	285.4* 191.1* 354.8* 479.2* 683.6* 621.1*	8 411.6 2 016.6 1 255.0 15 108.4 81 395.7 76 753.2 78 673.8 73 848.4 99 646.1 67 200.5 43 533.0 37 771.4	3 469.2 5 696.0 74.6 1 350.4 2 325.9 600.0 2 155.6 9 124.3 11 673.0 8 380.0 27 270.4	3 282.2° 2794.9° 2 448.5° 1 350.2° 28 734.3° 21 359.9°	610.7 188.0 26.8 61.6	10.2 19.7 94.3 50.2 29.2 5 696.3 4 807.9 114.2 3 649.0 2 420.1	3.9* 0.0* 107.7* 62.8* 267.3* 175.1*	January February March April May June July August Septemb. October Novemb. Decemb.
Total JanJune	5 843.6	2 887. ₁ 1 053. ₄		585 613.7 184 940.s	87 007.9	59 970.o*	36 071.3	16 891. ₁ 174. ₄	616.8*	Total JanJune

16. — EXPORTS OF THE MOST IMPORTANT ARTICLES.

Month		Cattle Number			Butter Tons			Month		
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January	674	_	_	864.3	115.0	385.4*	34.7	79.0	190.4*	January
February	740	_		891.9	15.2	427.4*	115.2	117.1	220.5*	February
March	520			1 025.0	13.7	651.5*	57.a	194.3	328.7*	March
April	1 060	· —	_	1776.s	589.4	1 056.7*	95.1	179.8	321.9*	April
May	1 311	52	129*	1 297.1	650.8	736.s*	67.s	163.a	252.2*	May
June	875	474	304*	1 396.a	687.7	786.9*	51.5	141.6	161.7*	
July	819	1 376		1 530.6	811.3	1	29.1	199.2		July
August	3 098	1 917		797-8	806.7		117.0	284.1		August
Septemb.	3 185	1 427		706.9	785.s	[]	173.a	301.6		Septemb.
October	1 068	848		813.s	838.2	ļ·.	173.o	155.0		October
Novemb.	360	47		711.2	606.4		142.4	121.2		Novemb.
Decemb.	314			828.1	545.5	İ	167.6	189.8		Decemb.
Total	14 024	6 141		12 640.s	6 465.2		1 224.1	2 125.5		Total
JanJune	5 180	526	433*	7 251.9	2 071.3	4 044.7*	421.7	874.6	1 475.4*	JanJune

^{*} See note p. 5.

16. — EXPORTS OF THE MOST IMPORTANT ARTICLES. — Continued.

Month	All Ki	Unsawn Timber All Kinds (excl. fuel) 1 000 m ²			1 000 m ³)	Sa 1 0	Month		
,	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January February March April May June July August Septemb October Novemb. Decemb	3.0 5.1 4.2 24.0 307.7 487.6 610.0 721.8 604.5 295.4 81.0 18.6	0.9 0.0 0.0 7.2 23.0 43.7 100.4 226.2 182.0 150.4 74.1 25.9	7.8* 0.8* 5.7* 7.1* 61.9* 237.1*	77.8 73.7 57.8 74.6 80.1 111.8 123.8 128.5 102.2 118.1 60.1 58.9	0.5 0.0 0.1 3.0 18.2 35.6 40.9 51.0 67.4 43.8 8.6	14.4* 9.7* 27.8* 57.5* 47.3* 47.4*	2.8 0.0 0.2 3.0 78.8 137.0 161.8 144.7 121.6 79.7	1.6 0.7 0.1 3.5 17.0 45.1 67.8 76.2 118.9 154.8 121.2	6.4* 0.2* 0.6* 0.3* 41.8* 140.0*	January February March April May June July August Septemb. October Novemb. Decemb.
Total JanJune	3 162. ₉ 831. ₆	833.s 74.s	320.4*	1 066.4 475.8	270. ₈ 57. ₄	204.1*	903. ₀ 216. ₈	643. ₀ 68. ₀	189.3*	Total JanJune

i standard sawn timber = 4.872 m⁸.

Month		De als ¹) 1 000 standards			Battens 1 00 standar	•	1	Month		
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January February March April May June July August Septemb. October Novemb. Decemb.	0.6 0.1 6.0 19.8 20.2 17.5 15.4 16.6 9.1 4.5	0.1 0.0 0.1 1.8 4.6 9.2 10.5 17.7 19.7 14.6 4.3	0.7* 0.0* 0.0* 0.0* 4.8* 18.6*	0.4 17.3 41.1 49.9 43.4 41.8 33.0 20.0	0.8 0.1 1.8 4.9 14.7 23.2 27.2 44.8 56.7 46.4 15.2	3.5* 0.1* 0.0* 0.1* 17.0* 47.1*	1.6 0.0 0.1 1.8 34.5 57.7 74.7 63.9 62.1 51.6 37.8	0.5 0.2 0.1 1.8 7.5 21.6 29.1 32.0 47.5 66.3 54.1 14.0	1.2* 0.1* 0.1* 0.1* 15.7* 60.2*	January February March April May June July August Septemb. October Novemb. Decemb.
Total JanJune	109-6 26-3	82. ₇ 6. ₆	24.1*	256.s 59. ₃	235. ₁ 21. ₈	67.s*	405. ₀ 95. ₇	274.7 31.7	77.4*	Total JanJune

Month .	I	Bobbins Tons			anical P Tons	ulp ²)	Che	Month		
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January	847.8	335.6	449.6*	1 227.4	1 392.1	2 880.8*	2 867.5	5 598.5		January
February March	989. ₂ 1 030. ₄	476. ₉ 384. ₇	160.1* 682.0*	1 262.7 1 987.3	1 185. ₅ 380. ₈	2 203. ₆ * 1 413. ₅ *	4 534. ₁ 2 071. ₅	3 666.4 2 170.9	12 590.7*	February March
April May	885. ₂ 1 130. ₂	491. ₂ 228. ₉	693.5* 388.9*	1 888.4 10 418.4	711. ₁ 1 059. ₀	2 361.e* 5 801.e*	4 250.1 11 017.5	334. ₁ 2 766. ₉	18 689.7* 25 205.9*	
June	916.0	104.3	450.4*	3 555.8	1 136.8	5 246.9*	4 276.5	7 883.3	15 633.1*	June
July August	944. ₈ 796. ₇	238. ₇ 315. ₀		6 485.6 2 868.9	1 501. ₉ 6 527. ₆		4 694.7 7 695.0	10 108.9 8 166.0		July August
Septemb.	979.8	86.4		3 965.4	8 067.5		7 594.4	21 307.6		Septemb.
October Novemb.	723. ₁ 1 143. ₁	408. ₁ 432. ₆	1	2 872.s 2 725.s	6 970. ₂ 13 981. ₂		4 890.8 8 126.1	16 373. ₅ 27 237. ₂		October Novemb.
Decemb.	935.7	467.3	<u> </u>	5 657.1	7 446.9		13 460.8	17 188.8		Decemb.
Total JanJune	11 322.0 5 798.s	3 969.7 2 021.6	2 824.5*	44 915.4 20 340.0	50 360. ₁ 5 864. ₈	19 907.e*	75 479.0 29 017.2	122 802.1 22 420.1	83 457.4*	Total JanJune

^{*} See note p. 5. \longrightarrow 1) The figures representing these wood goods are included in the sum representing sawn timber (all kinds) given above. \longrightarrow 2) Dry weight.

16. — EXPORTS OF THE MOST IMPORTANT ARTICLES. — Continued.

Month		Cardboard Tons			Paper All Kinds Tons	•	P	rinting-pap Tons	er	Month
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January February March April May June July August Septemb. October Novemb. Decemb.	2 480.7 4 128.8 4 371.3 3 832.1 5 572.7 4 540.3 4 812.5 4 824.8 5 206.0 4 718.1 4 809.7 4 454.8	310.9 987.3 506.0 298.2 573.4 402.7 869.4 608.6 1 078.1 1 746.1 1 768.3 3 994.8	1 725.s* 462.5* 1 474.5* 2 330.2* 2 498.0* 2 027.7*	10 793.7 10 878.1 10 906.9 11 408.4 11 998.3 12 196.6 13 094.0 12 551.9 12 674.9 13 515.0 12 895.8	8 153.6 5 355.7 6 847.4 9 323.6 6 188.7 7 524.5 13 259.8 10 215.7 15 171.1 13 048.0 16 571.1 16 583.0	11 609.8* 9 704.8* 19 373.8* 22 198.1* 17 433.0* 14 010.7*	5 520.8	6 8 5 6.5 4 231.5 5 507.6 7 737.7 4 853.6 5 956.8 10 594.5 7 252.2 9 937.1 10 291.5 11 629.2	6 315.7* 13 375.6* 13 979.8*	April May
Total JanJune		12 543. ₂ 3 078. ₅		145 634.6 68 182.0		94 329.1*	70 066.1 32 703.6	93 895. ₅ 35 143. ₇		Total JanJune

17. — FINLAND'S FOREIGN TRADE WITH VARIOUS COUNTRIES.

		Imy (C. I. F	ports '. Value)			(F. O.	ports B. Value)	
Country	January	-June	1921 Whole Year	1910—1913 Average	Januar	y-June	1921 Whole Year	1910—1913 Average
13	Mill, Fmk	%	%	%	Mill. Fmk	%	%	%
Europe:	 	1		1	 		1	1
Belgium	27.9	1.7	0.s	1.5	91.0	5.7	5.5	4.7
Denmark	82.8	4.9	6.8	5.5	83.4	5.2	4.9	3.4
Esthonia	24.2	1.4	0.s	— 1)	38.8	2.4	1.5	1)
France	29.4	1.8	1.2	1.5	146.8	9.8	6.4	8.8
Germany	589.1	34.8	33.7	40.3	184.2	11.6	10.9	13.4
Great Britain	366.2	21.6	19.s	13.2	518.0	32.7	33.8	27.3
Latvia	2.7	0.2	0.1	— 1)	3.2	0.2	0.3	— 1)
Lithuania	1.6	0.1	0.1	1)	0.1	0.0	0.1	1)
Netherlands	86.4	5.1	5.3	1.9	86.5	5.4	8.0	4.6
Norway	20.8	1.2	0.7	0.1	5.7	0.4	1.2	0.3
Poland	7.4	0.4	0.1	— 1)	1.0	0.1	0.1	—1)
Russia	7.8	0.5	0.0	29.0	83.8	5.8	1.6	28.1
Sweden	105.2	6.2	7.5	5.2	144.3	9.1	11.9	4.2
Spain	3.4	0.2	0.2	0.5	7.4	0.5	1.2	3.0
Other European coun-					<u> </u>			
tries	29.2	1.7	1.7	0.7	10.6	0.7	0.4	0.2
Total Europe	1 384.1	81.8	78.s	99.4	1 404.6	88.6	87.8	97.9
Asia	1.5	0.1	1.1	0.4	10.4	0.7	1.0	0.2
Africa	0.2	0.0	0.0	0.0	18.3	1.1	2.0	1.8
United States	243.s	14.4	17.0	0.0	119.9	7.6	8.1	0.0
Other States of North	1			1	<u> </u>			1
America	3.8	0.2	0.3	0.0	1.8	0.1	0.0	0.0
South America	59.4	3.5	2.8	0.2	29.4	1.8	1.0	0.0
Australia	0.2	0.0	0.0	0.0	1.4	0.1	0.1	0.0
Grand Total	1 693.0	100.0	100.0	100.e	1 585.8	100.0	100.0	100.0

According to figures given by the Statistical Department of the Board of Customs.

Up to, and including, 1917 the last port of shipment and the first port of discharge were used in determining the respective countries of import and export. Regarding transportation of goods over land boundaries, the country from which goods arrived or that to which they were transferred was used in a similar sense, with the exception of a part of the exchange of goods with Russia, which was not put down to that country but to the true countries of import or export. From, and including, 1918 the country of import indicates the land in which goods were purchased, and country of export the land to which goods were sold.

¹⁾ Included in figures for Russia.

[•] See note p. 5.

18. — IMPORT-PRICE INDEX.

Year	Total	Of which					Last Groups their Degre	divided ac-		
Month	All Kinds	Food- stuffs	Clothing	Agricultu- ral Neces- sities	Other Goods	Raw Ma- terials	Machinery	Industrial- products	Month	
1913	100	100	100	100	100	100	100	100	1913	
1914	106	111	.99	101	101	100	99	100	1914	
1915	162	177	130	135	179	- 147	153	134	1915	
1916	227	236	186	149	311	219	263	207	1916	
1917	519	647	405	370	526	451	360	465	1917	
1918	741	881	600	420	661	647	459	642	1918	
1919	755	896	608	600	659	681	487	593	1919	
1920	1 387	1751	1 108	934	1 268	1 364	931	827	1920	
1921	1 329	1 556	1 080	1 087	1 109	1 129	1 005	1 048	1921	
1922	i								1922	
January	1 083	1 213	1 062	927	922	1 010	1 034	916	January	
JanFebr.	1 101	1 227	1 010	1 083	960	1 019	996	937	JanFebr.	
JanMarch	1 121	1 253	1 051	968	937	1 028	946	985	JanMarcl	
JanAprii	1 107	1 211	1 054	1 072	925	1 045	823	1 020	JanApril	
JanMay	1 132	1 247	1 065	1 130	958	1 069	816	1 033	JanMay	
JanJune	1 130	1 238	1 078	1 108	951	1 070	802	1 060	JanJune	

The import- and export-indices have been calculated by the Statistical Dept. of Board of Customs in the following manner: the quantities of imports and, respectively, exports for the current year have been multiplied by the average price for the class of goods in question in 1913, after which the import (or export) value for the current year has been calculated in percentage of the sum thus obtained for purposes of comparison.

The goods chosen for the setting-up of a total-index have been divided, according to their use, into the groups: food-stuffs, clothing, agricultural necessities and other goods. The three last-named have been further divided, according to their degree of finish, into raw-materials, machinery and industrial products.

19. — EXPORT-PRICE INDEX.

Year	Total				Ot w	hich				Year
Month	All Kinds	Fresh Meat	Butter	Cheese	Timber 1)	Bobbins	Mechani- cal Pulp	Chemical Pulp	Paper	Month
1913	100	100	100	100	100	100	100	100	100	1913
1914	103	100	103	105	105	100	100	102	102	1914
1915	134	130	146	140	128	105	111	147	141	1915
1916	254	238	185	290	186	146	278	290	352	1916
1917	375	560	349	600	317	218	389	342	452	1917
1918	415	276	620	501	222	705	508	399	483	1918
1919	441	790	725	1 079	375	1 258	571	500	611	1919
1920	1 053	805	916	1 250	886	1 755	1 710	1742	1 185	1920
1921	1 213	1 008	1 636	1 489	996	2 186	2 202	1 502	1 433	1921
1922										1922
January	1 364	973	1 137	1 225	846	2 239	2 253	1 575	1 403	January
JanFebr.	1 374	971	1 169	1 212	876	2 194	2 187	1 581	1 395	JanFebr.
JanMarch	1 359	987	1 167	1 179	954	1 990	2 228	1 514	1 318	JanMarch
JanApril	1 367	992	1 234	1 167	1 073	2 041	2 212	1 472	1 297	Jan - April
JanMay	1 325	998	1 239	1 152	1 105	1 986	2 219	1 433	1 276	JanMay
JanJune	1 260	1 002	1 270	1 131	1 084	1 946	2 223	1 440	1 272	JanJune

Besides the total index the table contains indices for only a few of the most important exports. See in addition text under Table No. 18.

¹⁾ The figures in this column differ for the years' 1915—1920 from those earlier published here, bobbins having been taken into consideration before, when calculating this index-number.

20. — INDEX NUMBER FOR QUANTITIES OF IMPORTS AND EXPORTS. 1)

Year	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Whole Year	Jan June	Year
						I:	m p o	rts			, , , , , , , , , , , , , , , , , , ,				
1913 1920 1921 1922	66. ₁	100.0 73.4 56.2 39.1	100. ₀ 68. ₆ 58. ₅ 65. ₇	100. ₀ 72. ₈ 79. ₃ 92. ₀	100.0 36.8 59.0 73.8	100. ₀ 56. ₇ 53. ₂ 88. ₀	100. ₀ 55. ₀ 49. ₀	100. ₀ 47. ₉ 62. ₇	100.0 47.8 49.6	100. ₀ 34. ₂ 42. ₅	100. ₀ 48. ₅ 45. ₈	100. ₀ 61. ₉ 71. ₈		100. ₀ 59. ₀ 57. ₆ 69. ₈	1913 1920 1921 1922
						. E	жро	rts							
1913 1920 1921 1922	29. ₃ 45. ₀	100.0 67.9 28.7 59.2	100.0 43.0 36.3 109.9	100. ₀ 57. ₅ 47. ₂ 106. ₇	100.0 62.2 30.4 73.3	100. ₀ 67. ₂ 39. ₆ 93. ₈	100. ₀ 69. ₀ 50. ₂	,100. ₀ 85. ₀ 60. ₇	100. ₀ 63. ₇ 90. ₉	100.0 73.9 119.6	100. ₀ 78. ₇ 138. ₄	100.0 71.2 87.7		59. ₂	1913 1920 1921 1922

¹⁾ Value of imports and exports calculated on the basis of the prices for 1913 and expressed in percentage of 1913 year's imports and exports during the corresponding period.

21. — VALUE OF IMPORTS AND EXPORTS IN 1913—1922 DIVIDED ACCORDING TO THE PURPOSE OF THE GOODS.1)

		. Imp	orts			Ex	ports			
Year and	Goods for	Production	Goods for C	onsumption	Goods for	Production	Goods for C	Goods for Consumption		
Month	Raw Material	Machinery	Industrial products	Foodstuffs	Raw Material	Machinery	Industrial products	Foodstuffs	Month	
	%	%	%	%	%	%	%	%		
1913	32.1	10.5	18.4	39.0	67.4	3.0	16.1	13.5	1913	
1914	29.3	10.9	17.2	42.6	55.4	3.8	23.4	17.4	1914	
1915	34.5	5.4	11.4	48.7	27.3	6.5	41.8	24.4	1915	
1916	38.9	7.6	14.6	38.9	26.5	6.8	53.7	13.0	1916	
1917	33.7	8.3	28.2	29.8	26.1	4.9	58.2	10.s	1917	
1918	19.1	8.8	20.8	52.3	55.9	2.8	34.0	7.3	1918	
1919	27.7	9.4	18.7	44.2	76.8	1.3	19.3	2.6	1919	
1920	34.4	15.6	17.8	32.2	73.9	0.7	22.8	2.6	1920	
1921	23.2	13.8	19.0	44.0	62.0	1.8	22.4	14.0	1921	
1922							1		1922	
JanMay	33.1	11.2	20.4	35.3	42.0	0.8	39.4	17.8	JanMay	
lanJune	32.7	11.6	19.9	35.8	53.9	0.8	30.8	14.5	JanJune	
June	31.6	12.8	18.8	37.3	77.8	0.7	13.9	8.1	June	

¹⁾ The goods have been divided into four groups: 1) raw materials and half completed manufactures, 2) machinery, tools, means of transport and other similar means of production, 3) other completed manufactures and 4) foodstuffs (foods and luxuries).

22. — FOREIGN SHIPPING.

			Arı	ivals					Saili	ings			
	With	Cargo	In E	allast	Te	tal	.With	Cargo	In B	allast	T	otal	30 Jan
Month	of Ves- sels	Reg. tons Net.	of Ves- sels	Reg. tons Net.	of Ves- sels	Reg. tons Net.	of Ves- sels	Reg. tons Net.	of Ves- sels	Reg. tons Net.	of Ves- sels	Reg. tons Net.	Month
1922 January	76	45 613	29	14 246	105	59 859	86	50 857	8	1 848	94	52 705	1922 January
February March	28 81	20 243 55 217		495 10 906	30	20 738 66 123	37	25 273 44 742		371 2 667	39 72	25 644	February March
April May	98 433	66 778 135 036	12	12 501 190 471	110	79 279 325 507	95	62 536 169 086	12	11 157 19 395	107	73 693 188 481	April
June July August	443	133 663		281 394		415 057		413 390		23 452		436 842	
Septemb. October Novemb. Decemb.													Septemb. October Novemb. Decemb.
JanJune	1 159	456 550	1 199	510 013	¹) 2 358	966 563	1 787	765 884	373	58 890	²)2 160	824 774	JanJune

23. — GOODS TRAFFIC ON STATE RAILWAYS.

Month	Weigh	t of Goods Trai 1 000 Tons	asported	Axle-kilor	-waggons	Month	
	1913	1921	1922	1913	1921	1922	<u> </u>
January	380.5	299.5	417.8*	28 329.	32 822.9	34 805. s*	January
February	441.2	411.5	509.1*	29 660.4	32 947.7	36 089.1*	February
March	412.5	407.3	599.4*	30 621.s	33 932.s	41 512.5*	March
April	405.0	372.6	538.4*	32 382.0	37 675.0	43 127.8*	April
Мау	426.5	327.4	582.1*	31 081.9	34 173.1	45 497.6*	May
June	443.8	406-4		30 875.9	37 325.1		June
July	470.3	425.s	l .	34 244.8	39 644.9		July
August	430.5	439.		33 736.0	39 458.0		August
September	437.2	510.a		32 322.7	41 192.s		September
October	443.5	498.4		32 265.6	41 831.0		October
November	340.4	472.s		28 852.9	37 817.1		November
December	302.1	407.9*		28 503.9	34 507.0		December
Total	4 933.5	4 979.6*		372 877.s	443 327.5		Total
JanMay	2 065.7	1 818.3	2 646.8*	152 075.5	171 551.5	201 032.6*	JanMay

24. — LOCOMOTIVES AND GOODS-WAGGONS IN USE ON STATE RAILWAYS.

End of		Locomotives Number				End of	
Month	1920	1921	1922	1920	1921	1922	Month
January	445	475	452	12 601	13 314	15 069	January
February	457	487	458	12 642	13869	15 271	February
March	454	478	454	12 734	13 949	15 271	March
April	446	477	459	12 601	14 020	15 537	April
May	458	485	460	12 622	14 091	15 617	May
June	476	500		12 662	14 151		June
July	473	500		12 720	14 151		July
August	466	500		12 808	14 169		August
September	468	504		12 896	14 226		September
October	472	504		13 030	14 376		October
November	474	467		13 137	14 376		November
December	486	453	<u> </u>	13 233	14 482		December
Average	465	486		12 807	14 098		Average

25.—STATE RAILWAY'S REVENUE, REGULAR EXPENDITURE AND TRAFFIC PROFITS.

Month	Revenue (less Re-imb Mill. Fmk	ursements)	Regu	ılar Expend Mill, Fmk		Traffic Profit Mill, Fmk			Month
	1913	1921	1922	1913	1921	1922	1913	1921	1922	
January	4.3	28.7*	36.6*	•	26.3*	34.0*		2.4*	2.6*	January
February	∥ 4.2	29.0*	35.1*	•	28.1*	33.4*	•	0.9*	1.7*	February
March	4.9	35.5*	46.3*	•	26.5*	32.8*		9.0*	13.5*	March
April	4.6	37.3*	49.0*	•	41.6*	32.4*		— 4.a*	16.6*	April
May	5.2	34.4*	48.6*		31.5*	33.2*		2.9*	15.4*	May
June	5.9	40.s*		•	37.8*			3.0*		June
July	5.7	40.0*		•	32.0*			8.0*		July
August	5.5	41.0*		•	33.8*	, ,		7.2*		August
Septemb.	5.3	44.1*		•	34.1*			10.0*		Septemb.
October	4.7	42.1*		•	33.s*			8.8*		October
Novemb.	4.0	38.9*	į į	•	33.2*			5.7*		Novemb.
Decemb.	4.3	39.7*		_ •	37.5*	1	•	2.2*		Decemb.
Total	58.6	451.5*		40.3	395.7*		18.3	55.8*		Total
JanMay	23.2	164.9*	215.6*	•	154.0*	165.8*		10.9*	49.8*	JanMay

According to Finnish State Railway's Preliminary Monthly Statistics. * See note p. 5.

26. — NUMBER OF UNEMPLOYED.

End of		1920			1921			19	22		End of
Month	Men	Women	Total	Men	Women	Total	Men	Women	Total	Month's Move- ment	Month
January February March April May June July August Septemb. October Novemb. Decemb.	1 316 948 853 527 319 276 272 275 343 440 586 899	982 809 727 587 335 199 270 474 494 594 696 555	2 298 1 757 1 580 1 114 654 475 542 749 837 1 034 1 282 1 454	2 207 2 569 2 006 1 142 849 606 610 735 708 919 1 590 1 605	1 166 1 269 921 881 520 331 423 623 661 774 762 522	3 373 3 838 2 927 2 023 1 369 937 1 033 1 358 1 369 1 693 2 352 2 127	2 607 2 613 2 089 1 487 609 514	978 874 772 773 463 285	3 585 3 487 2 861 2 260 1 072 799	- 98 - 626 - 601 - 1 188	January February March April May June July August Septemb October Novemb. Decemb.

This table, prepared from the weekly reports of the Board for Social Affairs' Labour Exchange Department, shows the number of unemployed registered in the books of the communal labour exchanges in the majority of towns and a very little part of the rural centres of population at the close of the week nearest to the month's end. As agricultural labourers and skilled industrial workers proper register, up to the present, only in a minority of cases at the communal labour exchanges, the table does not give a complete review of the number of unemployed but is to be regarded more as symptomatic.

27. — INDEX NUMBER OF COST OF LIVING.

Month	Foodstuffs	Clothing	Rents	Fuel	Tobacco	Newspaper	Total Cost of Living	Month's Movement	Month
1914 Jul y	100.0	100.0	100.0	100.0	100.0	100.0	100.0		1914 Jul y
June July August September October	926.s 981.s 1 089.s 1 134.s 1 172.4	1 022.2 1 048.7 1 073.6 1 099.7 1 133.6	325.2 335.2 356.0 373.6 380.5	1 188.4 1 231.7 1 294.8 1 374.0 1 431.3	1 343.6 1 362.1 1 367.0 1 370.5 1 377.6	400.8 400.8 400.8 400.8 400.8	867.5 911.0 990.5 1 029.9 1 063.2	+ 13.7 + 43.5 + 79.5 + 39.4 + 33.3	1920 June July August September October
November December	1 205.s . 1 232.s	1 132. ₈ 1 126. ₄	381.s 388.s	1 443. ₀ 1 442. ₇	1 376. ₀ 1 383. ₇	400.s 400.s	1 085.4 1 103.2	+ 22.2 + 17.8	November December
January February March April May June July August September October November	1 173.9 1 106.6 1 136.6 1 106.9 1 117.3 1 146.5 1 277.8 1 323.8 1 359.1 1 356.9 1 286.0 1 198.4	1 089.1 1 059.a 1 030.e 1 021.e 1 017.1 1 031.8 1 038.e 1 058.e 1 090.2 1 106.0 1 104.0	406.7 414.4 417.7 419.8 419.8 534.6 552.5 575.8 595.5 602.8 602.5 602.5	1 414.1 1 291.5 1 265.9 1 291.0 1 268.5 1 283.2 1 278.4 1 275.4 1 263.8 1 307.5 1 302.4 1 262.1	1 393.6 1 387.5 1 361.5 1 322.3 1 311.4 1 315.6 1 313.0 1 316.2 1 311.4 1 298.8 1 293.4	817.5 817.5 817.5 817.5 817.5 817.5 817.5 817.5 817.5 817.5	1 065.4 1 012.7 1 027.1 1 007.5 1 012.4 1 050.5 1 139.0 1 174.9 1 204.6 1 208.3 1 161.5 1 102.6	- 37.8 - 52.7 + 14.4 - 19.6 + 4.9 + 38.1 + 35.9 + 29.7 + 3.7 - 46.8 - 58.9	1921 January February March April May June July August September October November December
1922 January February March April May June	1 123.2 1 115.0 1 093.0 1 088.6 1 091.6 1 090.9	1 096.2 1 097.6 1 098.1 1 102.2 1 098.2 1 098.9	602.5 602.5 602.5 602.5 753.9	1 263.2 1 254.0 1 244.2 1 248.4 1 251.0 1 275.0	1 292.1 1 288.2 1 287.8 1 285.3 1 262.5 1 268.9	1 079.4 1 079.4 1 079.4 1 079.4 1 079.4 1 079.4	1 055.1 1 049.4 1 034.7 1 032.6 1 033.8 1 055.9	$\begin{array}{ccccc} -& 47.5 \\ -& 5.7 \\ -& 14.7 \\ -& 2.1 \\ +& 1.2 \\ +& 22.1 \end{array}$	1922 January February March April May June

The above index is calculated by the Board for Social Affairs' Statistical Department, and is based on monthly reports from 21 different centres; it shows the rise in the cost of living for a workingman's family of normal size, the income of which amounted during the years 1908—1909 to 1600—2000 Fmk., presupposing that the average consumption within the same per month remained unaltered. The index for total cost of living is the weighted average formed from the different indices.

WATER POWER OF FINLAND.

BY

HUGO MALMI, ENGINEER IN CHIEF OF THE STATE WATER POWER OFFICE.

The inland waters of Finland cover a considerable portion, about 10 % of the total area of the country. This is due to the multitude of lakes, a characteristic feature of the land. As the lakes form natural basins for the water, it follows that the flow in the rivers of Finland is fairly regular, a state of affairs advantageous from the point of view of water power conservation. On the other hand, the waterfalls of Finland can not compete in height of fall with those of mountainous countries, the fall of the numerous rapids being here usually comparatively low.

Without preceding regulation of the flow the rapids of Finland can be calculated to yield about 2.5 million useful turbine horsepower. By means of suitable regulation of the profile of the watercourses and quantity of flow this figure can, however, be increased greatly in the future.

Statistics show the amount of power in use in Finland to have been as follows:

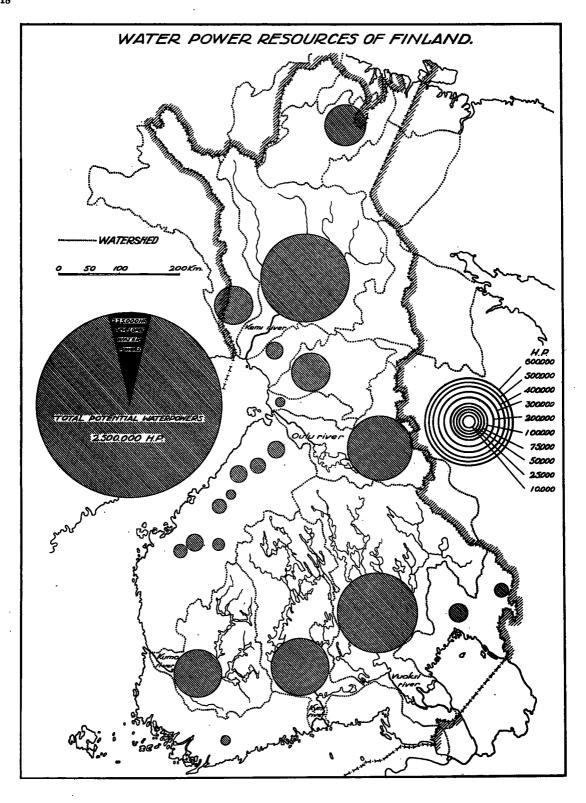
Year	Steam power Hp.	Water power Hp.	Total Hp.
1909	89,410	119,490	208,900
1910	105,500	123,060	228,560
1911	110,110	133,840	243,950
1912	123,100	138,470	261,570
1913	139,410	143,660	283,070
1914	145,390	154,560	299,950
1915	154,120	160,030	314,150
1916	153,860	164,770	318,630
1919	 .	_	369,400

The amount of the developed water powers until 1922 may be valued at a total of about 225,000 effective horsepower, of which amount about

one half is taken up by the needs of the woodpulp and paper industries. The water power developments have hitherto been of a small or medium size. The larger sources of power in the land are in the main still untouched, owing to the fact that the demand for power in the country has until now been comparatively small. Of these larger sources of power the most important are the Vuoksi, Kymi, Kumo and the Oulujoki rivers.

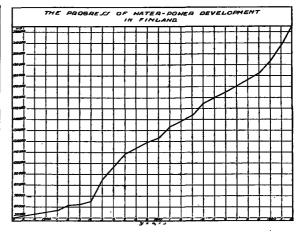
The stream named Vuoksi is situated in South-East Finland and forms the outlet for the gathered waters of the great inland Lake Saima into Lake Ladoga. The total fall of this stream is 71 metres, its upper reach in particular, the fall of which is 64 metres and the average flow 570 cub. metres per second, being a specially favourable large source of water power. The Lake Saima, the area of which is about 5,000 sq. kilometres, renders the flow of Vuoksi so even that even at low water the amount of water averages 480 cub. metres per second and at flood time does not rise above an average of 670 cub. metres per second. The large size of Lake Saima makes it possible to increase, by artificial regulation of the flow, the amount of power obtained from Vuoksi to a total of 700,000 horsepower.

The Kymi river is situated in central South-Finland, the waters of Lake Päijänne flowing through it into the Gulf of Finland. The total fall of this stream is 78 metres and the average flow 302 cub. metres per second. The Kumo river, in West-Finland, flows into the Gulf of Bothnia. Its total fall is 76 metres and the average flow 196 cub. metres per second. The amount of power which could suitably be obtained from

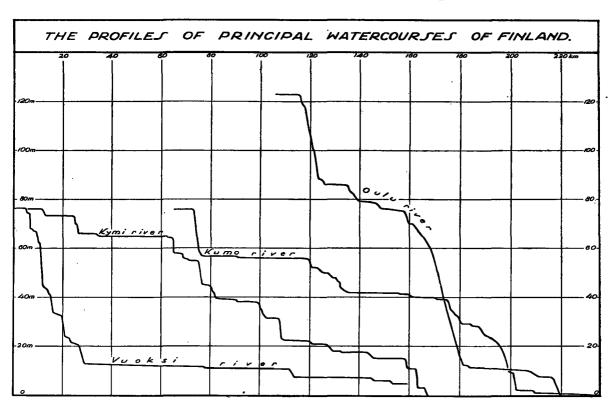


these two rivers can be calculated to reach over 300,000 horsepower, only a sixth of this amount being in use at the present time. The Oulujoki river, through which Lake Oulujärvi, about 1,000 sq. kilometres in area, discharges its waters into the northern part of the Gulf of Bothnia. With a fall of 122 metres and an average flow of 180 cub. metres per second, the available power can be calculated at 200,000 horsepower.

The State owns about a third of the water power of Finland. With the increase of the country's demand for electricity the State has taken steps with a view to utilize some of the largest rapids in its possession. Nearest to hand of these is the stream Vuoksi, over one third of the waters of which are in the direct possession of the State, and one fifth indirectly through certain companies of whose shares the State owns the majority. Plans for the utilization of the water powers of Vuoksi have been drawn up by the State in such a manner that the whole



of the natural energy represented by this stream would be, by degrees, drawn into the service of the country. First to develop will be the rapids at Imatra, from which at natural medium water about 150,000 horsepower could be obtained, the first installation of machinery being about 70,000 horsepower. For the commencement of this work the Diet has placed a sum of 20 million



marks at disposal and the work on the power station has already begun.

Through private initiative also, the development of the waterpowers of the larger rivers has recently been commenced. The power from these rapids will be used for industrial purposes, the satisfying of the demand for electricity of the municipalities and for the needs of the smaller and home industries. The programme for the future comprises also the electrification of certain railway lines of the country. As especially the energy

from Imatra will be comparatively cheap, it is to be expected that the electrochemical industry, which has already obtained a foothold in the country, will further develop and enlist still more considerable portions of the power obtained from the rapids in its service.

The diagrams appended show the distribution of water powers over the various parts of the land, the development of water power until 1922, and longitudinal sections of some of the main rivers of Finland.

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