

BANK OF FINLAND

MONTHLY BULLETIN

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THE FINNISH MARKET REVIEW.

THE MONEY MARKET.

The money market is developing a distinctly healthier tone. This does not mean that the stringency that has now existed for some time, has made way for an easier position. On the contrary, the money market continues to be marked by a shortage of cash to the same extent as before, but the position of the Joint Stock banks and still more of the Bank of Finland indicates a clear tendency towards improvement. In other words, the crisis has had its day and is gradually passing. The improvement would probably be more rapid, if the state of foreign markets did not react depressingly on Finnish economic conditions and retard progress.

Deposits in the *Joint Stock banks* fell off in September by 73.8 million marks, so that during July—September their reduction amounted to 175.7 millions compared with 194.1 millions during the same months in 1928. At the same time credits were also reduced in September by 103.1 million marks. For the period July—September there was a reduction in the credits of the *Joint Stock banks* amounting to 258.9 million marks against an increase of 190.9 millions last year. This year, therefore, the difference between the credits and deposits of the *Joint Stock banks* has dropped during these three months by 83.2 million marks, whereas it grew last year by 385.0 millions. At the end of September the difference was this year about 200 millions greater than a year ago or somewhat over 2,200 million marks.

The position of the *Joint Stock banks* towards other countries has also improved during the last few months. The net indebtedness, decreased in September by 43.7 million marks to 236.5 millions. The net indebtedness is thus still larger than a year ago, when it was 180.6 millions, to say nothing of conditions two years ago, when the *Joint Stock banks* had a net foreign credit balance of 58.4 million marks.

The total credits of the *Bank of Finland* were reduced fairly heavily in September, viz., by 57.6 million marks. The greater part of the reduction was due to the falling off in re-discounts of 41.9 million marks, but direct credits, too, show a falling tendency. The reduction in re-discounted bills is worth noting, because during all the months from May to August they had grown. The reserve of foreign currency was increased by 27.3 million marks to 547.3 millions, thus being rather lower than at the same date last year, and not even half as large as two years ago. The notes in circulation dropped 7.7 million marks in September, which is worth noticing, as September is usually a month in which the note circulation increases. The notes in circulation which had grown considerably since the latter part of 1927 until the change in the position, have already returned to the level of two years ago. The circulation at the end of September amounted to 1,440.4 million marks compared with 1,598.9 millions a year and 1,476.2 millions two years ago. The tendency towards more normal conditions

is also reflected in the note reserve which rose by 65.5 million marks during September. The note reserve amounted to 434.0 million marks at the end of September as against only 299.7 millions a year earlier. Two years ago, however, the note reserve was appreciably larger or 758.5 million marks.

Among the changes during the first fortnight in October the continued decrease of the notes in circulation and of the re-discounts should be mentioned, as also the further rise of the note reserve which on the 15th of October amounted to 485.9 million marks.

The *level of prices* continues to show a falling tendency. The wholesale price index dropped one point and stood at 96 for September compared with 101 a year ago. The cost of living index, on the other hand, fell off by 2 points to 1,230 against 1,249 a year before.

TRADE AND INDUSTRY.

Foreign trade in September was no longer as lively as it had been during the summer months and was also less than in September, 1928. The value of imports amounted to 623.8 million marks compared with 610.5 millions in August and 762.6 millions in September last year. The value of exports dropped from 904.4 millions in August to 714.1 millions in September, while the corresponding value for September, 1928, was 801.9 millions. The balance of trade for September thus showed a surplus of exports of 90.3 million marks compared with only 39.3 millions last year. In 1927, however, the surplus was 205.1 million marks. For the completed three quarters of this year the value of imports amounted to 5,237.6 million marks or 568.6 millions less than last year, while the value of exports rose 266.7 million marks to 4,649.0 millions. For the months referred to the balance of trade therefore closes with a surplus of imports amounting to 588.6 million marks. As the surplus of imports a year ago was 1,423.9 millions, the improvement is considerable. It

should not be forgotten, however, that the balance of trade has not yet become quite normal, as the years' balance at the end of September has often shown a small surplus of exports.

Sales of sawn timber amounted in September to about 95,000 standards. As usual at this time of year, contracts were principally concerned with the supplementing of stocks. Among buyers Great Britain occupied the first place, but Holland, Belgium and others also made purchases. By the end of September sales were estimated to have amounted to 1,025,000 stds altogether compared with 930,000 stds a year ago. Their distribution among the purchasing countries was as follows:

Great Britain	420,000	stds.
Holland	146,000	"
Belgium	142,000	"
France	92,000	"
Germany	81,000	"
Denmark	42,000	"
Spain	37,000	"
Other European countries	12,000	"
Overseas countries	53,000	"

Shipments have proceeded normally, about 840,000 stds having been shipped by the end of September compared with 738,000 and 939,000 respectively one and two years ago. Some contracts have been made for delivery next year, but the market has not really opened owing to the uncertainty that the negotiations now proceeding with regard to Russian timber deliveries create on the market. The state of the timber market affects the local prices of raw materials, a fact that shows itself, for instance, in the bids at the customary Government auctions this autumn being as a rule considerably lower than in previous years.

The state of the market for other important articles of Finnish export has not experienced any particular change.

THE LABOUR MARKET.

The position on the labour market has remained unchanged since our last review.

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STATISTICS.

1. — BALANCE SHEET OF THE BANK OF FINLAND.

	1928	1929			
	Mill. Fmk	Mill. Fmk			
	¹⁵ / ₁₀	²³ / ₉	³⁰ / ₉	⁸ / ₁₀	¹⁵ / ₁₀
ASSETS.					
I. Gold Reserve	306.9	300.3	302.1	302.0	303.8
Foreign Correspondents	589.4	545.1	547.3	550.1	544.4
II. Foreign Bills	78.9	15.4	18.6	22.9	10.1
Foreign Bank Notes and Coupons	1.7	1.5	1.7	1.5	1.4
Inland Bills	1 237.9	1 308.8	1 289.6	1 297.8	1 263.0
III. Loans on Security	45.9	57.0	57.2	61.4	61.2
Advances on Cash Credit	120.5	118.3	117.5	113.9	114.5
Bonds in Foreign Currency	297.5	301.0	301.0	301.0	301.0
» » Finnish	57.5	44.1	44.1	43.9	43.9
Bank Premises and Furniture	12.0	12.1	12.1	12.1	12.1
Sundry Assets	24.4	20.9	41.0	19.0	28.1
Total	2 772.6	2 724.5	2 732.2	2 725.6	2 683.5
LIABILITIES.					
Notes in circulation	1 568.7	1 398.0	1 440.4	1 426.0	1 398.4
Other Liabilities payable on demand:					
Drafts outstanding	10.7	10.0	14.7	20.2	8.8
Balance of Current Accounts due to Government	62.4	47.1	46.5	2.7	11.4
» » » » » Others	104.3	90.2	51.8	97.0	89.3
Foreign Correspondents	5.8	6.5	6.5	6.6	5.5
Sundry Accounts	24.2	29.1	26.7	23.8	17.2
Capital	500.0	500.0	500.0	500.0	500.0
Reserve Fund	357.1	500.4	500.4	500.4	500.4
Bank Premises and Furniture	12.0	12.0	12.0	12.0	12.0
Earnings less Expenses	127.4	130.4	132.4	136.1	139.7
Undisposed Profits	—	0.8	0.8	0.8	0.8
Total	2 772.6	2 724.5	2 732.2	2 725.6	2 683.5

2. — NOTE ISSUE OF THE BANK OF FINLAND.

	1928	1929			
	¹⁵ / ₁₀	²³ / ₉	³⁰ / ₉	⁸ / ₁₀	¹⁵ / ₁₀
	RIGHT TO ISSUE NOTES:				
Gold Reserve and Foreign Correspondents	896.3	845.4	849.4	852.1	848.2
Additional Right of Issue	1 200.0	1 200.0	1 200.0	1 200.0	1 200.0
Total	2 096.3	2 045.4	2 049.4	2 052.1	2 048.2
USED AMOUNT OF ISSUE:					
Notes in circulation	1 568.7	1 398.0	1 440.4	1 426.0	1 398.4
Other Liabilities payable on demand	207.4	182.9	146.2	150.3	132.2
Undrawn Amount of Advances on Cash Credit	34.5	28.0	28.8	32.1	31.6
Total	1 810.6	1 608.9	1 615.4	1 608.4	1 562.2
NOTE RESERVE:					
Immediately available	285.7	436.5	434.0	443.7	486.0
Dependent on increased supplementary Cover	—	—	—	—	—
Total	285.7	436.5	434.0	443.7	486.0
Grand total	2 096.3	2 045.4	2 049.4	2 052.1	2 048.2

Bank Rate since November 15 1928, 7 %.

3. — BANK OF FINLAND. NOTE CIRCULATION AND FOREIGN CORRESPONDENTS.

End of Month	Note Circulation Mill. Fmk					Foreign Correspondents ¹⁾ Mill. Fmk					End of Month	
	1926	1927	1928	1929	Monthly Movement	1926	1927	1928	1929	Monthly Movement		
Jan.	[1 309.3]					[1 408.0]						Jan.
Febr.	1 291.6	1 330.4	1 502.8	1 430.7	— 82.5	1 360.8	1 047.6	1 311.6	719.0	— 12.6		Febr.
March	1 349.9	1 446.6	1 592.6	1 522.7	+ 92.0	1 226.6	1 126.6	1 201.7	698.5	— 20.5		March
April	1 385.8	1 472.8	1 643.9	1 596.0	+ 73.3	1 182.2	1 185.3	1 076.7	706.4	+ 7.9		April
May	1 361.8	1 447.3	1 618.7	1 556.2	— 39.8	1 073.1	1 096.3	935.0	661.1	— 45.3		May
June	1 319.7	1 411.3	1 575.8	1 480.9	— 75.3	948.0	973.9	784.3	580.2	— 80.9		June
July	1 297.7	1 398.5	1 585.4	1 472.5	— 8.4	899.9	901.4	712.5	544.5	— 35.7		July
Aug.	1 289.4	1 376.6	1 542.7	1 439.1	— 33.4	890.1	914.4	673.7	505.1	— 39.4		Aug.
Sept.	1 295.9	1 413.5	1 564.9	1 443.1	+ 9.0	972.2	1 095.2	616.1	520.0	+ 14.9		Sept.
Oct.	1 334.5	1 476.2	1 598.9	1 440.4	— 7.7	956.1	1 230.8	600.8	547.3	+ 27.3		Oct.
Nov.	1 327.4	1 483.0	1 539.3			901.0	1 324.5	683.1				Nov.
Dec.	1 295.6	1 446.6	1 502.1			1 006.3	1 390.1	709.9				Dec.
	1 345.7	1 514.4	1 513.2			1 082.4	1 359.8	731.6				

¹⁾ Credit balances with foreign correspondents, including the Credit abroad, which amounted to 256.2 mill. mk. up to January 31st, 1926, 114.6 mill. mk. up to April 14th, 1928, and was then discontinued.

4. — BANK OF FINLAND. ORDINARY COVER, NOTE RESERVE AND HOME LOANS.

End of Month	Ordinary Cover Percentage of Liabilities Payable on Demand				Note Reserve Mill. Fmk				Home Loans ¹⁾ Mill. Fmk				End of Month
	1927	1928	1929	Monthly Movement	1927	1928	1929	Monthly Movement	1927	1928	1929	Monthly Movement	
Jan.	[74.48]				[704.9]				[654.3]				Jan.
Febr.	75.72	75.09	55.71	+ 4.03	735.2	623.0	352.5	+ 143.8	627.0	850.2	1 396.3	— 159.7	Jan.
March	78.36	75.05	52.75	— 2.96	776.3	661.6	280.3	— 72.2	637.5	913.6	1 516.8	+ 120.5	Febr.
April	80.43	72.08	54.22	+ 1.47	804.6	621.0	316.5	+ 36.2	654.6	952.3	1 500.8	— 16.0	March
May	79.36	67.98	54.29	+ 0.07	806.9	585.5	363.6	+ 47.1	698.9	1 032.1	1 476.7	— 24.1	April
June	77.42	63.17	51.58	— 2.71	782.1	520.7	342.4	— 21.2	721.2	1 079.7	1 515.3	+ 38.6	May
July	72.89	59.13	50.58	— 1.00	722.3	462.1	348.4	+ 6.0	778.2	1 186.2	1 533.1	+ 17.8	June
Aug.	73.64	59.32	49.36	— 1.22	737.2	490.3	347.7	— 0.7	775.8	1 136.9	1 525.6	— 7.5	July
Sept.	77.01	53.79	50.48	+ 1.12	749.1	369.9	368.5	+ 20.8	729.4	1 276.2	1 521.9	— 3.7	Aug.
Oct.	78.85	51.00	53.54	+ 3.06	758.5	299.7	434.0	+ 65.5	696.5	1 359.7	1 464.3	— 57.6	Sept.
Nov.	75.82	52.69			661.9	278.4			697.4	1 384.7			Oct.
Dec.	81.42	53.10			796.8	278.7			755.8	1 473.6			Nov.
	78.04	51.68			696.9	208.7			810.3	1 556.0			Dec.

¹⁾ Inland Bills, Loans on Security and Advances on Cash Credit.

5. — BANK OF FINLAND. REDISCOUNTED BILLS AND BALANCES OF CURRENT ACCOUNTS.

End of Month	Redeemed Bills ¹⁾ Mill. Fmk				Balance of Current Accounts due to Government Mill. Fmk				Balance of Current Accounts due to others than Government Mill. Fmk				End of Month
	1927	1928	1929	Monthly Movement	1927	1928	1929	Monthly Movement	1927	1928	1929	Monthly Movement	
Jan.	[87.0]				[303.4]				[86.6]				Jan.
Febr.	54.7	38.1	533.3	— 143.5	181.9	394.3	288.6	— 86.8	137.0	86.7	72.1	— 9.4	Jan.
March	22.4	32.7	616.5	+ 83.2	196.8	231.7	285.4	— 3.2	65.5	34.5	61.5	— 10.6	Febr.
April	8.7	17.0	589.6	— 26.9	165.6	35.4	182.9	— 102.5	86.5	86.0	53.4	— 8.1	March
May	8.2	3.0	549.2	— 40.4	99.5	59.1	119.1	— 63.8	95.9	109.1	60.4	+ 7.0	April
June	18.2	23.2	581.0	+ 31.8	44.5	36.3	103.2	— 15.9	76.3	73.3	88.2	+ 27.8	May
July	40.5	103.6	617.2	+ 36.2	62.6	74.3	60.1	— 43.1	66.0	8.5	60.3	— 27.9	June
Aug.	53.3	139.9	644.3	+ 27.1	62.5	57.9	60.9	+ 0.8	91.5	19.7	57.2	— 3.1	July
Sept.	33.3	359.5	645.8	+ 1.5	131.0	67.4	75.3	+ 14.4	148.8	53.6	61.8	+ 4.6	Aug.
Oct.	15.7	477.7	603.9	— 41.9	229.5	84.4	46.5	— 28.8	118.7	60.4	51.8	— 10.0	Sept.
Nov.	27.2	461.8			306.2	150.7			198.5	89.1			Oct.
Dec.	37.3	565.8			331.1	320.0			166.6	60.3			Nov.
	55.2	676.8			371.8	375.4			96.1	81.5			Dec.

The figures in brackets [] indicate the position at the end of the previous year.

¹⁾ Included in home loans, see table 4. Redeemed Bills according to the monthly balance sheets of the Bank of Finland

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

	Parity	Yearly average		1928			1929		
		1927	1928	July	August	September	July	August	September
New York	39: 70	39: 70	39: 70	39: 70	39: 70	39: 70	39: 70	39: 70	39: 70
London	193: 23	193: 09	193: 32	193: 32	192: 84	192: 64	192: 92	192: 84	192: 80
Stockholm	1 064: 07	1 065: 80	1 065: 25	1 064: 85	1 063: 93	1 063: 48	1 066: 52	1 065: 91	1 065: 59
Berlin	945: 84	946: 08	948: 72	948: 96	948: 04	947: 16	948: 33	947: 89	947: 54
Paris	155: 56	156: 68	156: 27	156: 08	156: —	155: 64	156: 07	156: 09	156: —
Brussels	552: 08	555: 57	554: 58	555: 42	554: 48	553: 60	553: 26	553: 81	554: —
Amsterdam	1 596: —	1 593: 93	1 598: 67	1 599: 92	1 594: 56	1 593: 04	1 597: 24	1 594: 28	1 595: 06
Basle	766: 13	765: 94	765: 67	765: 79	765: 30	765: 30	765: 59	765: 78	766: 68
Oslo	1 064: 07	1 036: 71	1 061: 04	1 062: 87	1 061: 20	1 060: —	1 060: 65	1 060: 02	1 059: 68
Copenhagen	1 064: 07	1 062: 70	1 063: 16	1 063: 12	1 061: 20	1 060: —	1 060: 28	1 059: 78	1 059: 46
Prague	804: 54	119: —	119: —	119: —	119: —	110: —	118: 50	118: 50	118: 28
Rome	208: 98	206: 38	209: 53	209: 13	208: 89	208: 60	208: 50	208: 50	208: 50
Reval ¹⁾	1 064: 07	10: 67	1 067: 05	1 066: 69	1 066: —	1 065: 28	1 063: 48	1 063: —	1 063: —
Riga	766: 13	766: 48	768: 99	770: —	770: —	770: —	767: —	767: —	767: —
Madrid	766: 13	686: 06	666: 25	660: 77	665: 93	663: 80	580: 30	586: 70	588: 52

¹⁾ From January 1st 1928 the quotation on Reval concerns 100 Eesti crowns, whose parity is given above.

7. — HOME DEPOSITS IN THE JOINT STOCK BANKS. *)

End of Month	Current Accounts ¹⁾ Mill. Fmk			Deposits ²⁾ Mill. Fmk			Total Mill. Fmk			Monthly Movement		End of Month	
	1927	1928	1929	1927	1928	1929	1927	1928	1929	1928	1929		
Jan.	[1 452.8]	1 655.3	1 769.5	[4 648.5]	4 735.1	5 417.6	[6 101.3]	6 390.4	7 187.1	7 562.6	+205.5	+ 182.7	Jan.
Febr.	1 524.8	1 682.0	1 533.2	4 817.9	5 526.0	5 928.8	6 342.7	7 208.0	7 462.0	+ 20.9	— 100.6	Febr.	
March	1 550.5	1 850.2	1 576.7	4 930.1	5 649.0	6 048.5	6 480.6	7 499.2	7 625.2	+291.2	+ 163.2	March	
April	1 514.7	1 803.8	1 553.1	4 992.3	5 701.7	6 076.6	6 507.0	7 505.5	7 629.7	+ 6.3	+ 4.5	April	
May	1 541.3	1 905.4	1 503.9	4 996.3	5 703.8	6 064.5	6 537.6	7 609.2	7 568.4	+103.7	— 61.3	May	
June	1 576.8	1 930.9	1 551.0	5 119.6	5 876.4	6 178.8	6 696.4	7 807.3	7 729.8	+198.1	+ 161.4	June	
July	1 895.5	1 861.4	1 511.5	5 137.8	5 882.7	6 148.4	7 033.3	7 744.1	7 659.9	— 63.2	— 69.9	July	
Aug.	1 928.2	1 808.4	1 542.1	5 187.7	5 851.0	6 085.8	7 115.9	7 659.4	7 627.9	— 84.7	— 32.0	Aug.	
Sept.	1 789.3	1 802.8	1 512.4	5 211.7	5 810.4	6 041.7	7 001.0	7 613.2	7 554.1	— 46.2	— 73.8	Sept.	
Oct.	1 768.5	1 867.5		5 164.1	5 758.2		6 932.6	7 625.7		+ 12.5		Oct.	
Nov.	1 713.9	1 579.2		5 154.1	5 729.5		6 868.0	7 308.7		—317.0		Nov.	
Dec.	1 694.9	1 536.7		5 286.7	5 843.2		6 981.6	7 379.9		+ 71.2		Dec.	

Tables 7—9 according to Finland's Official Statistics VII, D, Bank Statistics. The figures in brackets [] indicate the position at the end of the previous year.

¹⁾ Actual current accounts and home correspondents. — ²⁾ Deposit accounts and savings accounts.

* In the tables 7—9 Mortgage banks are not included.

8. — HOME LOANS GRANTED BY THE JOINT STOCK BANKS.

End of Month	Inland Bills Mill. Fmk			Loans and Overdrafts ¹⁾ Mill. Fmk			Total Mill. Fmk			Monthly Movement		End of Month	
	1927	1928	1929	1927	1928	1929	1927	1928	1929	1928	1929		
Jan.	[2 245.7]	2 242.6	2 623.5	[4 844.8]	4 956.2	5 655.5	[7 090.5]	7 198.8	8 279.0	9 560.2	+161.2	+ 35.4	Jan.
Febr.	2 266.7	2 702.1	3 348.4	4 984.6	5 811.9	6 289.2	7 251.3	8 514.0	9 637.6	+235.0	+ 77.4	Febr.	
March	2 334.1	2 817.1	3 378.9	5 041.7	5 991.0	6 402.8	7 375.8	8 808.1	9 781.7	+294.1	+ 144.1	March	
April	2 378.4	2 915.6	3 457.0	5 122.2	6 047.6	6 393.0	7 500.6	8 963.2	9 850.0	+155.1	+ 68.3	April	
May	2 473.1	3 086.0	3 539.4	5 229.3	6 209.6	6 401.3	7 702.4	9 295.6	9 940.7	+332.4	+ 90.7	May	
June	2 507.6	3 126.4	3 559.8	5 315.5	6 303.6	6 487.1	7 823.1	9 430.0	10 046.9	+134.4	+ 106.2	June	
July	2 591.4	3 131.0	3 497.0	5 360.1	6 327.3	6 434.4	7 951.5	9 458.3	9 931.4	+ 28.3	— 115.5	July	
Aug.	2 581.8	3 079.6	3 433.0	5 372.9	6 383.4	6 453.1	7 954.7	9 463.0	9 891.1	+ 4.7	— 40.3	Aug.	
Sept.	2 568.3	3 092.5	3 407.7	5 404.5	6 528.4	6 380.3	7 972.8	9 620.9	9 788.0	+157.9	— 103.1	Sept.	
Oct.	2 533.6	3 156.1		5 448.6	6 560.4		7 982.2	9 716.5		+ 95.6		Oct.	
Nov.	2 495.3	3 239.3		5 570.3	6 311.9		8 065.6	9 551.2		—165.3		Nov.	
Dec.	2 576.8	3 257.7		5 541.0	6 267.1		8 117.8	9 524.8		— 26.4		Dec.	

¹⁾ Home loans, cash credits and home correspondents.

9. — POSITION OF THE JOINT STOCK BANKS TOWARDS FOREIGN COUNTRIES.

End of Month	Credits ¹⁾ Mill. Fmk			Indebtedness ²⁾ Mill. Fmk			Net Claims (+) and Net Indebtedness (-) Mill. Fmk			Monthly Movement of Net Claims		End of Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	1928	1929	
Jan.	[270.9]			[321.9]			[- 51.0]					Jan.
Febr.	372.4	405.1	261.3	316.6	363.9	492.0	+ 55.8	+ 41.2	- 230.7	+ 34.1	+ 42.8	Febr.
March	308.1	280.0	217.8	325.1	357.7	552.0	- 17.0	- 77.7	- 334.2	- 118.9	- 103.5	March
April	223.7	244.1	201.2	353.8	380.1	586.7	- 130.1	- 136.0	- 385.5	- 58.3	- 51.3	April
May	223.0	201.5	167.9	354.9	420.6	589.1	- 131.9	- 219.1	- 421.2	- 83.1	- 35.7	May
June	202.2	183.9	141.5	370.8	515.5	608.4	- 168.6	- 331.6	- 466.9	- 112.5	- 45.7	June
July	214.8	195.3	188.6	359.0	501.4	633.0	- 144.2	- 306.1	- 444.4	+ 25.5	+ 22.5	July
Aug.	377.6	211.9	236.3	320.5	457.8	543.8	+ 57.1	- 245.9	- 307.5	+ 60.2	+ 136.9	Aug.
Sept.	436.9	291.4	247.0	326.0	432.2	527.2	+ 110.9	- 140.8	- 280.2	+ 105.1	+ 27.3	Sept.
Oct.	414.3	278.9	281.9	355.9	459.5	518.4	+ 58.4	- 180.6	- 236.5	- 39.8	+ 43.7	Oct.
Nov.	475.1	218.6		356.7	463.3		+ 118.4	- 244.7		- 64.1		Nov.
Dec.	390.9	244.4		372.1	485.3		+ 18.8	- 240.9		+ 3.8		Dec.
	366.5	255.6		359.4	529.1		+ 7.1	- 273.5		- 32.6		

The figures in brackets [] indicate the position at the end of the previous year.

¹⁾ Balances with foreign correspondents and foreign bills. — ²⁾ Due to foreign correspondents. (85—95 % foreign deposits in Fmks.)

10. — POSITION OF THE BANKS TOWARDS FOREIGN COUNTRIES.¹⁾

11. — CLEARING.²⁾

End of Month	Net Claims (+) and Net Indebtedness (-) Mill. Fmk						Monthly Movement of Net Claims	1928		1929		Month
	1924	1925	1926	1927	1928	1929		Number	Amount Mill. Fmk	Number	Amount Mill. Fmk	
Jan.	[-128.0]											Jan.
Febr.	- 40.9	+ 323.1	+ 1 026.6	+ 1 075.5	+ 1 277.4	+ 500.3	+ 28.6	135 705	2 163.9	143 557	2 115.0	Febr.
March	+ 2.2	+ 344.1	+ 961.8	+ 1 053.6	+ 1 050.9	+ 374.5	- 125.8	124 915	1 980.6	121 864	1 832.5	March
April	- 25.5	+ 297.4	+ 921.2	+ 988.2	+ 853.8	+ 328.4	- 46.1	143 948	2 225.4	126 909	1 776.8	April
May	- 161.4	+ 571.4	+ 768.5	+ 886.6	+ 731.1	+ 242.6	- 85.8	139 021	2 007.6	148 617	2 109.5	May
June	- 222.6	+ 503.5	+ 596.3	+ 733.8	+ 468.4	+ 111.1	- 131.5	140 303	2 149.3	146 150	1 975.6	June
July	- 387.4	+ 446.5	+ 582.0	+ 682.0	+ 437.8	+ 101.9	- 9.2	163 948	2 186.7	141 308	1 925.8	July
Aug.	- 122.9	+ 545.5	+ 655.5	+ 919.9	+ 483.0	+ 203.4	+ 101.5	136 949	2 010.5	147 090	2 055.1	Aug.
Sept.	- 179.5	+ 559.6	+ 794.0	+ 1 156.9	+ 545.7	+ 255.8	+ 52.4	125 467	1 795.0	132 832	1 839.8	Sept.
Oct.	- 198.1	+ 653.4	+ 785.7	+ 1 238.8	+ 492.9	+ 323.0	+ 67.2	134 391	1 999.6	134 722	1 818.6	Oct.
Nov.	- 98.0	+ 960.4	+ 743.2	+ 1 386.9	+ 473.6			158 921	2 440.4			Nov.
Dec.	+ 11.8	+ 995.9	+ 842.5	+ 1 337.9	+ 491.0			149 196	2 130.4			Dec.
	+ 229.3	+ 1 049.1	+ 1 024.6	+ 1 296.3	+ 471.7			140 071	1 993.2			
								1692 835	25 082.5			Total

¹⁾ The figures indicate the position towards foreign countries of the Bank of Finland (balances with foreign correspondents and foreign bills are taken into account as well as credits due to foreign correspondents) and of the Joint Stock Banks. (net claims or net indebtedness; see table 9 above).

²⁾ Indicates the clearing operations joined by 12 Joint Stock Banks both at the Head Office and five Branch Offices of the Bank of Finland.

12. — DEPOSITS IN THE SAVINGS-BANKS.

End of Month	In the towns Mill. Fmk			In the country Mill. Fmk			Total Mill. Fmk			Monthly Movement		End of Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	1928	1929	
Jan.	[1 169.3]			[1 338.2]			[2 507.5]					Jan.
Febr.	1 200.2	1 521.3	1 814.2*	1 372.6	1 689.9	1 919.2*	2 572.8	3 211.2	3 733.4*	+ 105.4	+ 37.9*	Febr.
March	1 223.3	1 549.5	1 828.9*	1 400.9	1 718.3	1 921.4*	2 624.2	3 267.8	3 750.3*	+ 56.6	+ 16.9*	March
April	1 256.3	1 582.0	1 843.4*	1 429.6	1 751.4	1 930.3*	2 685.9	3 333.4	3 773.7*	+ 65.6	+ 23.4*	April
May	1 276.6	1 595.5	1 853.8*	1 457.0	1 784.0	1 943.1*	2 733.6	3 379.5	3 796.7*	+ 46.1	+ 23.0*	May
June	1 289.4	1 613.8	1 842.8*	1 480.9	1 808.4	1 941.8*	2 770.3	3 422.2	3 784.6*	+ 42.7	- 12.1*	June
July	1 300.0	1 623.9	1 832.9*	1 480.8	1 805.4	1 923.6*	2 780.8	3 429.3	3 756.5*	+ 7.1	- 28.1*	July
Aug.	1 315.1	1 643.2	1 829.4*	1 493.3	1 813.4	1 912.4*	2 808.4	3 456.6	3 741.8*	+ 27.3	- 14.7*	Aug.
Sept.	1 331.2	1 659.2	1 826.3*	1 495.0	1 806.2	1 900.2*	2 826.2	3 465.4	3 726.5*	+ 8.8	- 15.3*	Sept.
Oct.	1 337.5	1 670.9	1 823.3*	1 497.6	1 804.3	1 888.0*	2 835.1	3 475.2	3 711.8*	+ 9.8	- 14.7*	Oct.
Nov.	1 352.1	1 685.4		1 510.3	1 797.1		2 862.4	3 482.5		+ 7.3		Nov.
Dec.	1 369.1	1 690.6		1 524.6	1 792.9		2 893.7	3 483.5		+ 1.0		Dec.
	1 466.8	1 787.0		1 639.0	1 908.5		¹⁾ 3 105.8	²⁾ 3 695.5		+ 212.0		

Deposits in the Savings Banks, including long-term deposits and current accounts, according to figures supplied by the Central Statistical Office.

¹⁾ Increased by 207.1 mill. Fmk interest for 1927. — ²⁾ Increased by 243.3 mill. Fmk interest for 1928.

* Preliminary figures subject to minor alterations.

13. — DEPOSITS IN POST OFFICE SAVINGS BANK AND ON CONSUMERS' CO-OPERATIVE SOCIETIES, SAVINGS ACCOUNT.

End of Month	Deposits in Post Office Savings Bank Mill. Fmk				Monthly Movement		Deposits on Consumers' Co-operative Societies' Savings Account ⁴⁾ Mill. Fmk			Monthly Movement		End of Month
	1926	1927	1928	1929	1928	1929	1927	1928	1929	1928	1929	
		[162.2]						[254.4]				
January	164.5	184.4	199.4*	208.2*	+ 1.5*	- 0.7*	264.7	361.4	427.9	+ 16.4	+ 8.6	January
February	166.9	185.2	200.4*	209.6*	+ 1.0*	+ 1.5*	277.1	378.5	436.1	+ 17.1	+ 8.2	February
March	169.0	185.7	202.0*	210.3*	+ 1.6*	+ 1.0*	290.2	393.4	444.2	+ 14.9	+ 8.1	March
April	169.6	184.8	201.0*	211.2*	- 1.0*	+ 0.4*	295.3	400.1	446.7	+ 6.7	+ 2.5	April
May	169.2	183.0	199.0*	210.1*	- 2.0*	- 1.1*	296.8	395.5	442.7	- 4.6	- 4.0	May
June	169.0	182.3	199.1*	209.9*	+ 0.1*	- 0.2*	308.5	408.6	453.0	+ 13.1	+ 10.3	June
July	170.4	183.1	200.4*	210.6*	+ 1.3*	+ 0.7*	313.8	413.1	451.1	+ 4.5	- 1.9	July
August	172.2	184.5	201.0*	211.6*	+ 0.6*	+ 1.0*	318.0	414.2	450.3	+ 1.1	- 0.8	August
September	172.8	186.9	201.5*	211.8*	+ 0.5*	+ 0.2*	320.6	414.1	447.2	- 0.1	- 3.1	September
October	172.9	186.7	200.4*		- 1.1*		324.8	412.7		- 1.4		October
November	173.8	186.3	199.3*		- 1.1*		332.3	413.8		+ 1.1		November
December	¹⁾ 184.4	²⁾ 197.9	³⁾ 208.8*		- 2.3*		345.0	419.3		+ 5.5		December

Post Office Savings Bank deposits according to Finnish Official Statistics VII, D, Bank Statistics. Monthly Reports.
Consumers' Co-operative Societies' deposits according to data from the Finnish Co-operative Wholesale Society Ltd. and the Co-operative Wholesale Society.

¹⁾ Increased by 11.7 mill. Fmk interest for 1926. — ²⁾ Increased by 11.8 mill. Fmk interest for 1927. — ³⁾ Increased by 11.8 mill. Fmk interest for 1928. — ⁴⁾ Interest added to capital partly in January, partly in June and December.

14. — DEPOSITS IN CO-OPERATIVE CREDIT SOCIETIES.

End of Month	Deposits in Co-operative Credit Societies Mill. Fmk			Quarterly Movement	
	1927	1928	1929	1928	1929
		[82.4]			
Jan.	.	.	.	.	.
Febr.	.	.	.	.	.
March	104.9	204.5	312.1	+ 48.5	+ 37.8
April	.	.	.	.	.
May	.	.	.	.	.
June	118.0	240.4	335.3	+ 35.9	+ 23.2
July	.	.	.	.	.
Aug.	.	.	.	.	.
Sept.	129.3	253.1		+ 12.7	
Oct.	.	.	.	.	.
Nov.	.	.	.	.	.
Dec.	156.0	274.3		+ 21.2	

According to information supplied by the Central Bank for Co-operative Agricultural Credit Societies.

15. — NEW RISKS INSURED BY LIFE ASSURANCE COMPANIES.

End of Month	New risks accepted by Finnish Life Assurance Companies						
	1927		1928		1929		
	Number	Amount Mill. Fmk	Number	Amount Mill. Fmk	Number	Amount Mill. Fmk	
Jan.	6 341	88.7	7 107	98.1	7 185*	112.2*	Jan.
Febr.	8 991	121.9	10 035	147.7	8 796*	136.0*	Febr.
March	12 004	161.8	14 044	200.1	11 899*	183.6*	March
April	9 142	131.0	9 837	146.8	10 187*	158.3*	April
May	8 199	123.5	8 506	153.3	8 918*	149.5*	May
June	7 850	108.7	8 308	126.9	8 431*	133.0*	June
July	6 423	89.9	6 782	100.8	7 406*	113.0*	July
Aug.	7 486	107.7	7 154	110.7	7 949*	125.0*	Aug.
Sept.	8 519	122.0	8 302	134.8	8 739*	143.6*	Sept.
Oct.	8 664	126.1	8 760	146.6			Oct.
Nov.	10 728	155.3	9 513	154.3			Nov.
Dec.	15 487	264.1	13 740	244.5			Dec.
	109 834	1 600.7	112 088	1 765.1			Total
	74 955	1 055.2	80 075	1 219.2	79 510*	1 254.2*	Jan.-Sept.

According to information supplied by Life Assurance Companies.

16. — CHANGES IN NUMBER AND CAPITAL OF LIMITED COMPANIES.

Year and Month	Companies founded		Increase of capital		Companies liquidated		Companies with reduced capital		Net increase (+) or reduction (-)		Year and Month
	Number	Capital Mill. Fmk	Number	Mill. Fmk	Number	Capital Mill. Fmk	Number	Reduction of capital Mill. Fmk	Number	Capital Mill. Fmk	
1926	578	223.2	182	160.6	143	39.6	4	2.1	+ 435	+ 342.1	1926
1927	709	291.8	331	764.4	148	44.5	5	2.3	+ 561	+ 1 009.4	1927
1928											1928
Jan. — March	225	95.4	102	386.5	33	14.0	4	2.8	+ 192	+ 465.1	Jan. — March
April — June	210	95.5	101	253.9	32	10.8	6	5.3	+ 178	+ 335.3	April — June
July — Sept.	179	65.0	78	150.5	20	4.2	2	15.7	+ 159	+ 195.6	July — Sept.
Oct. — Dec.	163	191.7	130	314.6	41	47.4	—	—	+ 122	+ 458.9	Oct. — Dec.
1929											1929
Jan. — March	157	55.9	178	428.1	38	17.5	1	0.2	+ 119	+ 466.3	Jan. — March
April — June	130	36.6	77	51.7	57	17.9	1	12.5	+ 73	+ 57.9	April — June
July — Sept.											July — Sept.
Oct. — Dec.											Oct. — Dec.

According to information supplied by the Central Statistical Office.
* Preliminary figures subject to minor alterations.

17. — HELSINGFORS STOCK EXCHANGE. BANKRUPTCIES. PROTESTED BILLS.

Month	Turnover of Stock Exchange Mill. Fmk			Bankruptcies			Protested Bills							Month	
	1927	1928	1929	Number			Number				Amount Mill. Fmk				
				1927	1928	1929	1926	1927	1928	1929	1926	1927	1928		1929
January	59.0	90.1	20.1	100	90*	95*	453	688	508	1 077	2.2	4.6	2.4	6.6	January
February	99.0	64.9	19.4	65	88*	79*	473	593	458	1 025	2.5	2.7	2.1	5.5	February
March	78.2	79.3	14.7	94	71*	82*	533	691	497	1 287	2.7	2.7	2.7	7.7	March
April	63.4	33.2	18.5	79	55*	90*	531	654	492	1 204	2.4	2.8	2.6	7.0	April
May	70.8	31.1	11.3	85	58*	131*	642	659	551	1 329	3.1	3.6	3.0	7.2	May
June	41.7	22.7	7.2	54	49*	120*	639	626	549	1 245	3.8	3.2	3.3	6.6	June
July	87.0	25.3	6.2	42	42*	78*	718	685	533	1 397	2.8	3.3	2.4	7.4	July
August	76.7	36.3	9.3	44	98*	90*	548	516	572	1 373	2.1	2.6	2.7	9.7	August
September	48.5	37.1	18.2	67	67*		623	641	585	1 494	3.0	3.0	4.1	9.3	September
October	45.6	37.1		101	64*		728	656	755		4.1	3.1	4.7		October
November	44.0	32.3		66	122*		610	592	833		3.1	3.4	6.5		November
December	70.3	21.4		60	80*		771	577	1 021		5.6	2.5	6.1		December
Total	784.2	510.8		857	884*		7 269	7 578	7 354		37.4	37.5	42.6		Total
Jan.-Sept.	624.3	420.0	124.9				5 160	5 753	4 745	11 431	24.6	28.5	25.3	67.0	Jan.-Sept.

Turnover of Stock Exchange according to figures supplied by the Stock Exchange Committee.
The figures for bankruptcies are not comparable with those published earlier in 1923. The figures above, compiled by the Central Statistical Office according to the reports sent in by the various Courts, include all bankruptcy petitions, of which only about half will lead in due course to actual bankruptcy, whereas the rest owing to agreement, lack of means etc. will be cancelled.
Protested bills according to figures published in the 'Report of Bills Protested in Finland.'
* Preliminary figures subject to minor alterations.

18. — STOCK EXCHANGE INDEX.

Year	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1926	144	147	152	154	153	157	164	172	175	172	177	178	1926
1927	198	211	222	219	224	233	265	256	248	250	253	270	1927
1928	270	265	267	257	255	257	255	241	235	223	213	229	1928
1929	221	215	200	202	199	196	197	194	175				1929

According to figures published in the 'Mercator'.
This revised index series is based on the prices bid at the end of each month for 18 representative securities, viz., 4 bank, 12 industrial and 2 other kinds of shares. By multiplying the price bid for each security by the number of shares in the corresponding company the so-called 'Exchange value' has been arrived at for the share capital of the company, the sum of which values has been calculated in % of the total nominal value of the share capital of the same companies. These percentages in the above table usually show a fall during March and April owing to the payment of dividends.

19. — NATIONAL DEBT.

End of Month or Year	According to the Official Book-keeping Mill. Fmk ¹⁾					Calculated in Mill. Dollars ²⁾					End of Month or Year
	Funded		Short-term credit (foreign)	Total	Monthly Movement	Funded		Short-term credit (foreign)	Total	Monthly Movement	
	Foreign	Internal				Foreign	Internal				
1926	2 349.9	496.9	—	2 846.8	.	89.9	12.5	—	102.4	.	1926
1927	2 203.1	491.9	—	2 695.0	.	79.0	12.4	—	91.4	.	1927
1928											1928
September	2 616.9	339.7	—	2 956.6	— 2.2	79.4	8.6	—	88.0	— 0.1	September
October	2 599.5	341.1	—	2 940.6	— 16.0	79.0	8.6	—	87.6	— 0.4	October
November	2 594.7	343.2	—	2 937.9	— 2.7	78.8	8.6	—	87.4	— 0.2	November
December	2 592.8	346.8	—	2 939.6	+ 1.7	78.7	8.7	—	87.4	—	December
1929											1929
January	2 588.4	346.3	—	2 934.7	— 4.9	78.5	8.7	—	87.2	— 0.2	January
February	2 584.4	346.0	—	2 930.4	— 4.3	78.4	8.7	—	87.1	— 0.1	February
March	2 584.4	346.0	—	2 930.4	—	78.4	8.7	—	87.1	—	March
April	2 584.1	346.7	—	2 930.8	+ 0.4	78.4	8.7	—	87.1	—	April
May	2 584.0	345.3	—	2 929.3	— 1.5	78.4	8.7	—	87.1	—	May
June	2 583.4	345.3	—	2 928.7	— 0.6	78.3	8.7	—	87.0	— 0.1	June
July	2 580.0	345.1	—	2 925.1	— 3.6	78.2	8.7	—	86.9	— 0.1	July
August	2 574.8	345.1	53.3	2 973.2	+ 48.1	78.0	8.7	1.4	88.1	+ 1.2	August
September	2 574.8	345.2	53.3	2 973.3	+ 0.1	78.0	8.7	1.4	88.1	—	September

The above table is based on the monthly report on the National Debt published by the Treasury in the Official Gazette.
¹⁾ Internal loans are given at their nominal value. Foreign loans are given in Finnish currency according to the rate ruling 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.
²⁾ Calculated as follows: The loans raised in the country have been calculated in dollars, according to the average rate of exchange of each month. The loans, negotiated abroad, which are all issued in different currencies, are grouped according to the proportion of currencies, shown by the coupons paid, and reduced to dollars at the rate of exchange just mentioned.

20. — STATE REVENUE AND EXPENDITURE.

Groups of revenue and expenditure	Jan.—August Mill. Fmk		Groups of revenue and expenditure	Jan.—August Mill. Fmk	
	1928	1929		1928	1929
Revenue derived from State forests ..	226.5	186.6	Postal and Telegraph fees	99.8	106.1
» » » canals	7.1	7.1	Shipping dues	15.6	15.1
» » » railways	600.7	608.7	Fines	23.2	26.2
Income and Property taxes	59.1	69.0	Various taxes and other revenue	233.8	233.3
Customs dues	879.5	870.1	Total State revenue	2 539.5	2 482.2
Excise on tobacco	113.0	123.8	Ordinary expenditure	2 235.4	2 226.9
» » matches	11.0	10.9	Extraordinary expenditure	342.6	398.7
» » sweets	15.3	15.3	Total State expenditure	2 578.0	2 625.6
Stamp duty	180.7	149.5			
Interest	74.2	60.5			

According to figures compiled by the Treasury from the balances of accounts at the end of each month. These are preliminary figures of gross amounts. This table gives figures for the excise on tobacco excluding stamp duty on imported tobacco, which is included in the respective figures in table 21.

21. — MISCELLANEOUS STATE RECEIPTS COLLECTED BY CUSTOMS.

(Fmk, 000's omitted.)

Month	Import Customs and Storage Charges	Export Customs	Fines	Clearing Charges	Light Dues	Excise on Tobacco	Excise on Matches	Excise on Sweets	Month
1929									1929
January	93 282*	64*	620*	145*	573*	15 381*	1 218*	2 829*	January
February	72 293*	11*	650*	52*	176*	12 682*	1 893*	1 434*	February
March	75 111*	35*	349*	60*	223*	3 992*	1 366*	743*	March
April	124 523*	27*	555*	136*	661*	25 821*	1 320*	2 710*	April
May	140 051*	298*	514*	347*	1 885*	14 733*	1 390*	1 948*	May
June	131 203*	1 178*	1 016*	540*	2 153*	4 589*	1 300*	864*	June
July	118 841*	1 393*	462*	671*	2 634*	29 713*	1 216*	3 065*	July
August	115 011*	1 548*	839*	630*	2 389*	16 613*	1 234*	1 744*	August
September	116 306*	1 899*	819*	513*	1 895*	17 414*	1 331*	1 907*	September
October									October
November									November
December									December
Jan.-Sept. 1929	986 631*	6 453*	5 824*	3 094*	12 589*	140 943*	12 268*	17 244*	Jan.-Sept. 1929
» 1928	1 012 506	7 484	4 299	3 190	12 911	116 339	12 303	17 068	» 1928
1929 Budget Estimate	1 200 000	10 500.	—	4 000	16 500	165 000	17 000	20 000	1929 Budget Estimate

Tables 21—29 according to Finland's Official Statistics I. A., Foreign Trade of Finland, Monthly Reports.

22. — VALUE OF IMPORTS AND EXPORTS.

Month	Imports (C. I. F. Value) Mill. Fmk			Exports (F. O. B. Value) Mill. Fmk			Surplus of Imports (—) or Exports (+) Mill. Fmk			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	393.3	512.1	504.5*	255.2	229.0	309.7*	— 138.1	— 283.1	— 194.8*	January
February	364.7	527.9	333.8*	236.8	234.3	184.2*	— 127.9	— 293.6	— 149.6*	February
March	452.9	650.3	349.4*	237.2	280.5	192.9*	— 215.7	— 369.8	— 156.5*	March
April	466.1	601.9	710.9*	267.3	239.3	368.9*	— 198.8	— 362.6	— 342.0*	April
May	605.8	766.5	819.2*	411.0	489.9	497.7*	— 194.8	— 276.6	— 321.5*	May
June	600.4	693.3	646.4*	670.4	529.3	675.6*	+ 70.0	— 164.0	+ 29.1*	June
July	516.8	576.8	639.1*	930.6	752.9	801.6*	+ 413.8	+ 176.1	+ 162.5*	July
August	574.4	714.8	610.5*	874.8	825.2	904.4*	+ 300.4	+ 110.4	+ 293.9*	August
September	621.9	762.6	623.8*	827.0	801.9	714.1*	+ 205.1	+ 39.8	+ 90.3*	September
October	608.8	884.4		675.3	740.2		+ 66.5	— 144.2		October
November	617.3	735.1		549.6	625.3		— 67.7	— 109.8		November
December	563.5	587.2		389.2	497.5		— 174.3	— 89.7		December
Total	6385.9	8 012.9		6 324.4	6 245.3		— 61.5	— 1 767.6		Total
Jan.-Sept.	4 596.3	5 806.2	5 237.6*	4 710.3	4 382.3	4 649.0*	+ 114.0	— 1 423.9	— 588.6*	Jan.-Sept.

The term imports covers all imported goods which have been placed on the market either immediately after importation or after storage. Exports covers all goods exported from the open market, including re-exports. Goods are declared to the Customs by their owner, who must at the same time state the value of the goods as calculated at the frontiers of the country.

* Preliminary figures subject to minor alterations.

23. — VALUE OF IMPORTS AND EXPORTS IN DIFFERENT GROUPS OF GOODS.*

No. of group	Groups of Goods	Imports (C. I. F. Value) Mill. Fmk						Exports (F. O. B. Value) Mill. Fmk					
		Sept.	Aug.	Sept.	January-September			Sept.	Aug.	Sept.	January-September		
		1928	1929	1929	1927	1928	1929	1928	1929	1929	1927	1928	1929
		1	Live animals	0.4	1.4	0.3	3.7	8.1	4.2	0.1	0.0	0.0	1.6	1.6	3.5
2	Food obtained from animals	19.6	9.4	16.2	70.4	104.8	86.6	40.3	42.7	40.5	457.2	394.0	469.9
3	Cereals and their products	95.9	67.0	72.7	444.7	646.9	632.4	0.1	0.2	0.0	1.9	3.2	1.6
4	Fodder and seed	43.5	37.7	41.2	169.7	267.5	254.9	0.5	0.1	0.6	3.8	2.8	5.0
5	Fruit, vegetables, live plants, etc.	15.3	11.3	16.5	87.3	113.2	126.4	8.5	3.7	7.9	15.7	9.2	12.3
6	Colonial produce and spices	64.5	56.9	55.1	494.7	565.2	538.7	1.3	0.1	1.1	2.3	1.9	1.6
7	Preserves, in hermetically sealed packages	1.1	0.2	0.4	2.8	3.6	3.1	0.0	0.0	0.0	0.7	0.1	0.1
8	Beverages	0.4	3.3	1.6	14.2	12.3	10.4	0.0	—	—	0.0	0.0	0.0
9	Spinning materials	26.5	23.5	14.7	208.8	240.8	205.4	0.1	0.1	0.3	0.5	0.9	1.8
10	Yarns and ropes	18.1	18.0	13.0	109.7	144.1	118.1	0.3	0.1	0.2	2.8	1.6	2.5
11	Cloth	55.7	45.6	45.0	313.2	425.8	340.4	1.5	1.6	1.9	7.9	7.7	8.2
12	Diverse textile products ..	32.9	21.8	27.7	179.4	239.1	216.1	0.2	0.8	0.5	0.7	1.0	3.9
13	Timber and wooden articles	2.7	7.1	7.0	21.7	42.3	52.6	568.1	650.9	462.7	2 764.5	2 380.5	2 512.3
14	Bark, cane, branches or twigs, and articles made from same	3.7	2.3	2.1	20.9	28.9	15.5	2.0	0.5	3.4	3.3	3.5	4.6
15	Board, cardboard an paper and articles made from same	2.4	2.7	2.2	16.1	20.2	19.6	154.5	170.3	156.9	1 234.5	1 344.1	1 361.1
16	Hair, bristles, feathers toge- ther with bones, horn and other carvable goods not specifically mentioned and articles made from same	1.8	2.0	2.7	15.6	18.7	17.9	0.1	0.4	0.3	2.1	1.8	2.4
17	Hides and skins, leather- goods, furs, etc.	33.6	20.9	26.6	181.9	303.0	168.6	8.5	6.9	11.3	94.9	96.7	89.3
18	Metals and metal goods ..	88.9	68.9	68.8	541.4	662.4	617.2	1.9	3.3	3.0	11.5	13.7	23.7
19	Machinery and apparatus .	73.0	43.4	40.4	386.1	452.0	421.5	1.9	1.6	1.9	10.8	13.1	16.6
20	Means of transport	25.9	17.8	9.1	316.0	395.3	304.2	0.3	0.7	0.0	0.2	2.2	1.5
21	Musical instruments, instrum- ents, clocks and watches	8.0	8.6	11.2	43.7	57.3	83.4	—	—	0.0	0.1	0.0	0.0
22	Minerals and articles made from same	57.3	48.7	50.6	279.8	280.2	250.6	3.3	10.2	7.1	17.3	15.4	39.5
23	Asphalt, tar, resins, rubber and products made from same	15.3	16.0	15.9	112.7	123.6	131.8	1.9	2.7	5.3	15.1	13.2	17.0
24	Oils, fats and waxes, and products of same	38.9	34.0	35.5	224.5	269.3	256.3	0.1	0.3	0.4	0.6	0.8	2.8
25	Ethers, alcohols not speci- fically described, ethereal oils, cosmetics, etc.	1.0	1.0	1.1	6.4	8.3	9.4	0.0	0.1	0.1	0.7	0.5	0.7
26	Colours and dyes	3.9	4.2	3.8	44.5	46.6	47.0	0.0	0.0	0.0	0.0	0.1	0.2
27	Explosives, fire-arms and materials, fuses and fire- works	0.6	0.9	0.5	5.3	5.3	5.4	1.4	2.9	2.6	21.1	23.9	21.4
28	Chemical elements and com- binations thereof and drugs	16.9	17.9	16.7	100.4	108.0	117.2	0.1	0.0	0.2	4.4	5.5	4.0
29	Fertilizers	4.0	9.6	8.1	98.3	114.7	85.8	—	—	0.0	0.0	—	0.1
30	Literature and works of art, educational materials, office fittings, etc.	5.4	4.8	4.5	38.2	51.2	44.5	0.4	0.2	0.4	3.5	2.8	2.3
31	Articles not specified else- where	5.4	3.6	12.6	44.2	47.5	52.4	0.9	1.1	0.4	2.2	3.5	3.7
Total		762.6	610.5	623.8	4 596.3	5 806.2	5 237.6	798.3	901.5	709.0	4 681.9	4 345.3	4 613.6
Re-exports		—	—	—	—	—	—	3.6	2.9	5.1	28.4	37.0	35.4
Total		762.6	610.5	623.8	4 596.3	5 806.2	5 237.6	801.9	904.4	714.1	4 710.3	4 382.3	4 649.0

* Preliminary figures subject to minor alterations.

24. — IMPORTS OF THE MOST IMPORTANT ARTICLES.

Month	Rye Tons			Rye Flour Tons			Wheat Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	5 653.6	8 107.0	8 309.2*	48.0	100.5	453.1*	—	—	49.9*	January
February	6 962.8	11 316.9	4 240.2*	32.0	34.1	931.9*	—	—	—*	February
March	7 796.0	15 124.4	9 074.6*	30.0	24.2	810.0*	5.0	12.7	—*	March
April	6 206.2	9 608.6	16 902.5*	—	11.3	1 016.7*	21.7	19.2	25.1*	April
May	8 683.0	7 314.7	15 488.7*	25.0	10.4	2 131.4*	0.8	0.0	85.6*	May
June	12 324.0	6 793.7	13 401.6*	178.6	22.6	1 499.6*	—	19.8	—*	June
July	14 241.7	6 746.0	9 858.0*	69.9	12.6	713.7*	—	10.0	49.9*	July
August	4 206.8	14 310.7	16 726.0*	343.6	102.5	1 250.6*	1.9	0.0	4.2*	August
September	4 361.6	23 230.9	16 561.1*	275.4	767.8	1 654.8*	9.3	79.6	149.6*	September
October	11 163.1	27 373.6	—	261.4	2 422.2	—	5.9	126.2	—	October
November	13 327.7	21 015.5	—	68.9	1 826.0	—	—	102.2	—	November
December	17 014.0	14 677.1	—	358.0	991.1	—	—	99.9	—	December
Total	111 940.5	165 669.0	—	1 690.8	6 325.3	—	44.6	469.6	—	Total
Jan.-Sept.	70 435.7	102 602.9	110 561.9*	1 002.5	1 086.0	10 461.8*	38.7	141.3	364.3*	Jan.-Sept.

Month	Wheaten Flour and Grain of Wheat Tons			Rice and Grain of Rice Tons			Oats Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	7 054.9	16 731.0	9 420.8*	819.2	1 557.9	958.0*	307.7	561.8	518.2*	January
February	5 060.2	8 428.3	8 342.6*	593.7	903.4	646.4*	247.4	582.9	680.3*	February
March	5 042.1	10 092.9	7 520.4*	802.2	1 323.6	635.4*	180.5	498.6	439.0*	March
April	5 139.6	8 930.0	8 461.1*	761.0	1 041.8	1 159.7*	144.4	270.8	437.7*	April
May	8 029.8	11 076.1	10 149.5*	2 595.0	2 180.1	1 507.9*	220.9	625.3	872.6*	May
June	8 895.3	11 360.0	13 351.7*	1 707.6	2 239.1	4 492.7*	165.4	859.9	732.6*	June
July	7 239.3	7 876.6	13 491.3*	1 330.4	1 641.7	1 770.3*	431.8	366.2	790.1*	July
August	7 018.5	9 949.4	8 837.5*	996.9	1 815.5	912.9*	450.9	608.5	568.9*	August
September	9 276.3	10 676.9	9 853.4*	1 194.3	1 007.7	1 079.8*	456.4	638.1	876.9*	September
October	10 329.3	17 702.6	—	1 617.1	3 691.7	—	805.0	2 678.9	—	October
November	10 468.6	13 661.0	—	981.5	1 358.6	—	1 314.0	2 016.8	—	November
December	3 331.0	8 910.8	—	501.7	1 286.6	—	719.1	998.6	—	December
Total	86 884.8	135 395.6	—	13 900.6	20 047.7	—	5 443.5	10 706.4	—	Total
Jan.-Sept.	62 756.0	95 121.2	89 418.8*	10 800.3	13 710.8	13 163.1*	2 605.4	5 012.1	5 916.3*	Jan.-Sept.

Month	Coffee Tons			Sugar Refined and Unrefined Tons			Raw Tobacco Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	1 026.2	2 246.7	1 436.4*	6 238.8	9 167.6	6 486.2*	250.8	262.9	340.3*	January
February	1 238.2	1 578.0	1 236.9*	5 077.3	7 893.6	6 317.8*	246.1	293.0	293.9*	February
March	1 357.4	1 792.4	1 029.6*	4 944.1	7 349.5	6 524.9*	269.1	317.1	252.2*	March
April	1 177.8	1 311.7	2 172.6*	6 004.4	6 103.2	7 383.5*	244.1	249.0	314.1*	April
May	1 338.4	1 553.9	1 866.2*	6 530.5	8 827.3	8 987.6*	302.0	250.7	336.8*	May
June	1 421.9	1 704.0	1 780.3*	5 364.1	8 677.3	9 802.6*	272.0	315.7	362.3*	June
July	1 235.9	1 260.5	1 524.4*	4 757.8	6 663.3	7 955.7*	178.2	198.4	260.0*	July
August	1 598.3	1 455.6	1 343.2*	8 071.0	7 528.0	9 172.5*	302.9	280.6	308.3*	August
September	1 606.5	1 719.5	1 446.7*	7 622.5	6 841.7	7 485.3*	307.8	304.8	286.7*	September
October	1 520.2	1 590.6	—	4 707.5	9 175.2	—	262.6	281.9	—	October
November	1 406.0	1 298.1	—	4 959.6	6 717.5	—	266.7	269.4	—	November
December	346.6	925.7	—	2 390.8	7 122.3	—	184.8	191.6	—	December
Total	15 273.4	18 436.7	—	66 668.4	92 066.5	—	3 077.1	3 215.1	—	Total
Jan.-Sept.	12 000.6	14 622.3	13 836.3*	54 610.5	69 051.5	70 116.1*	2 373.0	2 472.2	2 755.1*	Jan.-Sept.

* Preliminary figures subject to minor alterations.

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

Month	Raw Cotton Tons			Wool Tons			Oilseeds Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	849.9	899.7	1 223.6*	110.7	146.1	136.6*	1 688.8	1 999.0	2 258.3*	January
February	867.1	1 069.5	321.4*	102.6	143.5	66.6*	1 996.9	1 725.7	1 499.7*	February
March	942.8	838.7	349.9*	156.4	208.4	77.9*	1 012.7	2 273.3	1 054.3*	March
April	418.7	455.4	667.0*	116.8	128.7	128.0*	1 117.0	2 542.0	2 473.0*	April
May	765.0	786.1	867.6*	116.7	43.9	115.6*	169.2	1 187.5	1 280.9*	May
June	468.4	722.1	479.5*	119.2	135.4	115.5*	236.0	640.8	355.5*	June
July	708.8	470.8	535.7*	97.3	83.8	119.6*	845.8	2 166.0	2 374.8*	July
August	897.4	677.0	720.5*	119.0	126.6	94.9*	1 670.7	1 308.6	3 967.8*	August
September	876.4	698.0	299.7*	143.6	108.1	96.4*	1 500.5	2 000.8	3 607.1*	September
October	714.0	742.5		166.2	139.3		1 604.9	2 824.2		October
November	1 071.9	639.0		195.7	123.4		1 663.8	2 309.0		November
December	955.3	994.5		127.4	141.0		2 168.1	2 594.6		December
Total	9 535.7	8 993.3		1 571.6	1 528.2		15 674.4	23 571.5		Total
Jan.-Sept.	6 794.5	6 617.3	5 464.9*	1 082.3	1 124.5	951.1*	10 237.6	15 843.7	18 871.4*	Jan.-Sept.

Month	Raw Hides Tons			Coal Tons			Petroleum Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	221.1	457.1	206.2*	85 326.5	17 237.7	61 735.7*	636.0	844.3	126.6*	January
February	272.9	797.6	182.8*	17 666.2	12 012.1	7 448.3*	—	305.4	212.4*	February
March	309.9	783.5	117.0*	15 354.6	12 829.7	9 705.1*	0.5	399.8	276.9*	March
April	340.9	659.1	369.1*	30 461.6	25 771.0	12 159.4*	0.6	1 841.0	322.4*	April
May	249.6	664.9	297.6*	125 678.7	124 661.8	97 684.0*	5 102.1	11 547.9	7 900.2*	May
June	495.5	824.4	248.3*	108 874.5	133 352.7	94 908.2*	4 243.4	1 129.8	1 244.6*	June
July	986.5	443.2	385.1*	68 696.8	78 936.9	138 120.0*	1 226.7	615.6	8 590.2*	July
August	545.5	510.4	303.7*	111 967.3	112 557.9	161 923.2*	7 439.0	10 849.8	830.2*	August
September	678.4	466.8	300.7*	165 725.8	163 169.9	173 737.9*	2 818.7	5 106.2	2 115.7*	September
October	376.6	476.6		123 294.3	163 608.8		2 519.0	592.9		October
November	492.3	554.9		118 623.3	155 554.3		3 861.0	8 378.5		November
December	879.0	338.7		62 047.0	76 741.6		6 840.7	2 202.4		December
Total	5 848.2	6 977.2		1 033 716.6	1 076 434.4		34 687.7	43 813.6		Total
Jan.-Sept.	4 100.3	5 607.0	2 410.5*	729 752.0	680 529.7	757 421.7*	21 467.0	32 639.8	21 619.2*	Jan.-Sept.

25. — EXPORTS OF THE MOST IMPORTANT ARTICLES.

Month	Fresh Meat ¹⁾ Tons			Butter Tons			Cheese Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	304.0	113.4	93.4*	1 311.5	921.9	1 425.0*	323.3	143.6	158.3*	January
February	212.9	60.7	77.4*	1 417.9	1 169.8	1 209.5*	314.1	124.7	162.6*	February
March	181.5	60.4	54.1*	1 661.6	1 201.7	1 652.2*	256.3	131.6	241.0*	March
April	97.7	33.3	13.3*	1 861.2	1 269.5	1 652.5*	310.4	104.4	281.2*	April
May	83.1	41.8	13.3*	1 874.8	1 533.6	2 076.3*	281.4	122.0	211.9*	May
June	133.7	68.0	16.6*	1 601.3	1 046.0	1 365.1*	254.3	83.3	192.9*	June
July	51.4	50.8	33.3*	1 161.7	1 137.7	1 586.7*	196.8	113.6	145.3*	July
August	100.9	58.7	48.8*	871.3	1 227.8	1 224.7*	289.6	143.6	157.5*	August
September	161.8	87.1	59.1*	800.5	1 026.2	1 034.6*	235.7	149.3	136.3*	September
October	176.2	83.3		967.4	977.6		179.1	163.3		October
November	178.4	38.6		714.3	808.8		131.8	188.3		November
December	171.9	73.1		832.5	1 055.2		176.3	180.8		December
Total	1 853.5	769.2		15 076.5	13 375.8		2 949.1	1 648.5		Total
Jan.-Sept.	1 327.0	574.2	409.3*	12 561.8	10 534.2	13 226.6*	2 461.9	1 116.1	1 687.0*	Jan.-Sept.

¹⁾ Fresh meat, excluding pork.

* Preliminary figures subject to minor alterations.

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

Month	Raw Hides Tons			Unsawn Timber (All Kinds excl. fuel) 1 000 m ³			Fuel (wood) 1 000 m ³			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	489.2	477.3	275.9*	21.4	4.8	4.6*	27.9	0.7	0.8*	January
February	555.5	378.1	239.8*	6.9	1.0	0.2*	2.4	0.9	0.8*	February
March	374.2	444.9	303.7*	5.5	1.1	0.8*	0.8	0.9	0.8*	March
April	399.6	562.6	709.6*	13.1	3.7	5.1*	1.4	0.7	0.5*	April
May	594.7	502.5	370.3*	212.1	215.6	96.8*	4.3	5.1	2.5*	May
June	404.3	254.6	373.7*	559.7	560.0	507.9*	9.2	4.7	10.3*	June
July	288.3	226.0	340.7*	984.7	793.4	627.3*	6.9	6.9	5.2*	July
August	447.4	483.5	348.5*	917.6	780.0	741.8*	8.7	6.3	4.8*	August
September	449.0	333.5	596.3*	899.9	751.0	679.3*	5.4	8.1	2.4*	September
October	524.2	495.7		410.4	468.6		4.8	2.9		October
November	560.4	462.5		277.1	241.0		1.8	0.9		November
December	622.1	462.4		59.2	56.1		1.0	1.0		December
Total	5 678.9	5 083.6		4 367.6	3 876.3		74.6	39.1		Total
Jan.-Sept.	3 972.2	3 663.0	3 558.5*	3 620.9	3 110.6	2 663.8*	67.0	34.3	28.1*	Jan.-Sept.

Month	Sawn Timber All Kinds 1 000 standards			Plywood Tons			Matches Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	5.1	3.3	21.0*	3 953.7	7 100.3	7 972.2*	423.9	214.6	152.2*	January
February	2.0	0.8	2.4*	4 550.1	5 805.4	3 758.4*	355.9	408.9	199.2*	February
March	2.6	3.5	1.0*	5 237.2	6 858.8	4 796.1*	231.2	423.4	120.4*	March
April	5.2	3.8	5.1*	4 017.7	6 306.4	12 271.4*	396.2	239.4	522.4*	April
May	60.3	72.6	69.7*	4 376.5	6 158.2	10 464.4*	285.5	299.3	316.8*	May
June	164.8	97.4	157.1*	5 426.3	5 693.7	8 778.2*	191.9	152.0	191.9*	June
July	262.0	173.7	205.7*	3 691.9	6 014.6	6 454.6*	239.8	298.6	483.0*	July
August	227.7	191.7	227.4*	4 935.7	8 077.2	9 482.3*	324.5	153.6	324.0*	August
September	208.9	191.4	151.0*	4 542.2	6 173.1	7 870.9*	285.8	179.0	354.3*	September
October	173.7	177.9		4 265.2	8 316.5		301.4	248.2		October
November	113.2	138.7		4 589.7	8 821.0		426.4	197.6		November
December	57.6	91.7		7 615.5	7 557.0		375.4	523.9		December
Total	1 283.1	1 146.5		57 201.7	82 882.2		3 837.9	3 338.5		Total
Jan.-Sept.	938.6	738.2	840.4*	40 731.3	58 187.7	71 848.5*	2 734.7	2 368.8	2 664.2*	Jan.-Sept.

1 standard sawn timber = 4.672 m³.

Month	Bobbins Tons			Mechanical Pulp ¹⁾ Tons			Chemical Pulp ¹⁾ Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	298.9	527.7	642.9*	6 473.6	10 162.0	11 210.8*	34 891.3	27 185.8	41 719.8*	January
February	478.3	499.4	217.4*	5 632.9	5 760.1	5 070.7*	23 817.6	34 192.6	24 889.8*	February
March	407.7	671.5	473.4*	4 391.4	9 781.1	1 094.2*	23 216.6	43 033.7	20 799.7*	March
April	491.3	436.9	587.1*	5 282.7	7 082.7	14 396.5*	34 636.2	34 775.9	56 007.5*	April
May	505.7	448.8	547.5*	10 522.7	11 811.8	19 992.1*	25 577.7	45 523.7	45 719.6*	May
June	432.3	443.0	440.0*	5 934.6	13 546.5	16 227.2*	24 700.5	32 344.1	36 419.8*	June
July	417.7	421.0	428.9*	9 352.3	16 659.2	12 682.7*	26 823.6	39 275.6	34 218.6*	July
August	540.8	521.1	475.1*	10 069.6	13 513.7	17 443.2*	35 172.4	41 632.0	45 103.3*	August
September	629.7	499.6	432.6*	7 253.6	9 438.4	12 944.7*	30 944.5	38 766.2	42 885.1*	September
October	415.3	509.7		16 954.2	13 599.4		30 084.6	41 417.5		October
November	512.4	275.9		9 650.2	16 204.5		35 887.6	48 933.3		November
December	613.8	304.7		10 667.0	10 157.5		37 819.5	45 949.7		December
Total	5 743.9	5 559.3		102 184.8	137 716.9		363 572.1	473 030.1		Total
Jan.-Sept.	4 202.4	4 469.0	4 244.9*	64 913.4	97 755.5	111 062.1*	259 780.4	336 729.6	347 763.2*	Jan.-Sept.

* Preliminary figures subject to minor alterations. — ¹⁾ Dry weight.

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

Month	Cardboard Tons			Paper All Kinds Tons			Newsprint (Included in previous column) Tons			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	2 717.7	3 241.2	3 826.6*	16 538.9	20 394.7	17 144.5*	10 976.8	14 931.5	11 837.1*	January
February	2 862.0	3 869.2	2 456.7*	17 941.9	20 095.3	12 970.9*	12 059.2	14 379.5	9 828.7*	February
March	2 875.1	4 239.0	2 058.2*	18 592.8	22 346.3	13 557.0*	12 021.7	15 321.9	10 636.6*	March
April	2 093.2	2 910.2	6 069.3*	18 127.0	17 042.4	28 138.0*	12 994.1	11 700.4	19 192.9*	April
May	3 587.9	3 840.3	5 289.7*	17 522.6	21 943.6	24 982.0*	12 631.0	15 730.0	16 666.7*	May
June	3 144.6	2 625.0	4 364.7*	18 975.3	17 496.0	20 938.5*	12 953.1	12 203.4	15 140.0*	June
July	1 981.7	3 168.7	3 437.5*	19 482.2	18 959.2	18 655.3*	13 763.3	13 407.6	12 818.5*	July
August	3 649.4	4 033.3	4 683.5*	21 280.4	21 327.1	20 388.1*	14 998.8	14 357.9	14 581.6*	August
September	3 448.3	3 769.9	4 056.8*	19 180.0	21 407.1	18 512.8*	13 221.4	15 627.3	13 210.6*	September
October	2 830.9	4 372.7		17 284.5	20 255.9		12 072.2	13 639.8		October
November	5 049.7	4 460.2		21 087.3	21 310.3		15 159.7	15 096.4		November
December	4 048.5	4 718.4		17 453.0	21 228.9		12 594.9	15 168.0		December
Total	38 289.0	45 248.1		223 465.9	243 806.8		155 446.2	171 563.7		Total
Jan.-Sept.	26 359.9	31 696.8	36 243.0*	167 641.1	181 011.7	175 287.1*	115 619.4	127 659.5	123 912.7*	Jan.-Sept.

26. — FOREIGN TRADE WITH VARIOUS COUNTRIES.

Country	Imports (C. I. F. Value)					Exports (F. O. B. Value)				
	January—September		Whole Year			January—September		Whole Year		
	1929	1928	1928	1927	1929	1928	1928	1927		
	Mill. Fmk	%	%	%	%	Mill. Fmk	%	%	%	%
Europe:										
Belgium	153.6	2.9	3.7	3.7	3.3	373.4	8.0	6.7	7.5	6.0
Denmark	259.8	5.0	3.9	4.0	5.1	110.2	2.4	2.3	2.4	2.2
Estonia	42.0	0.8	1.2	1.2	0.9	18.6	0.4	0.4	0.4	0.3
France	139.5	2.7	2.6	2.5	3.1	295.5	6.4	6.5	6.9	4.7
Germany	1 995.7	38.1	36.3	37.0	32.6	693.3	14.9	16.3	15.3	15.8
Great Britain	678.3	12.9	12.3	12.4	14.2	1 796.3	38.6	36.8	35.3	40.2
Holland	240.7	4.6	4.1	4.7	4.4	296.1	6.4	7.8	8.3	9.0
Italy	39.4	0.7	0.6	0.6	0.6	40.5	0.9	0.8	0.7	0.4
Latvia	18.6	0.4	0.3	0.3	0.5	10.0	0.2	0.3	0.3	0.2
Norway	36.9	0.7	0.7	0.7	1.0	21.9	0.5	0.2	0.2	0.4
Poland	84.5	1.6	1.0	1.1	0.8	3.4	0.1	0.2	0.2	0.1
Russia	83.5	1.6	1.5	1.6	3.3	145.6	3.1	4.7	4.3	5.0
Sweden	429.8	8.2	8.7	8.2	8.2	96.6	2.1	2.4	2.2	3.1
Switzerland	31.5	0.6	0.6	0.6	0.6	0.7	0.0	0.0	0.1	0.1
Spain	18.9	0.4	0.4	0.4	0.5	74.0	1.6	1.9	2.1	1.5
Other European countries	137.9	2.6	2.5	2.3	2.0	15.7	0.3	0.1	0.1	—
Total Europe	4 390.6	83.8	80.4	81.3	81.1	3 991.8	85.9	87.4	86.3	89.0
Asia	10.7	0.2	0.4	0.4	0.2	75.9	1.6	1.0	1.2	0.9
Africa	4.2	0.1	0.1	0.1	0.0	132.0	2.8	2.8	3.2	2.9
United States	648.7	12.4	15.3	14.7	15.4	328.4	7.1	6.5	6.5	5.4
Other States of North America	42.3	0.8	1.0	1.0	0.7	11.5	0.2	0.1	0.1	0.1
South America	134.9	2.6	2.7	2.4	2.5	101.2	2.2	2.1	2.0	1.5
Australia	6.2	0.1	0.1	0.1	0.1	8.1	0.2	0.1	0.2	0.2
Grand Total	5 237.6	100.0	100.0	100.0	100.0	4 648.9	100.0	100.0	100.0	100.0

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

The country of import indicates (from January 1, 1918) the land in which goods were purchased, and country of export the land to which goods were sold.

* Preliminary figures subject to minor alterations.

27. — IMPORT-PRICE INDEX.

Year and Month	Total All Kinds	Detail				The Three Last Groups divided according to their Purpose			Year and Month
		Foodstuffs	Clothing	Agricultural Requirements	Other Goods	Raw Materials	Machinery	Industrial products	
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	1 751	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	1 072	1 150	1 067	1 066	913	1 041	820	987	1922
1923	915	963	925	897	823	926	728	826	1923
1924	958	998	1 060	932	818	955	763	901	1924
1925	1 052	1 110	1 133	1 066	835	1 037	867	928	1925
1926	984	1 058	1 005	999	853	974	871	881	1926
1927	945	1 044	978	980	795	923	873	834	1927
1928	955	1 005	1 052	1 084	762	983	826	839	1928
1929									1929
January	966	971	1 059	983	811	1 003	897	882	January
Jan.-Febr.	971	965	1 074	987	812	1 025	867	923	Jan.-Febr.
Jan.-March	978	964	1 078	985	836	1 044	874	944	Jan.-March
Jan.-April	984	969	1 088	971	859	1 033	890	970	Jan.-April
Jan.-May	969	968	1 079	990	834	1 007	864	945	Jan.-May
Jan.-June	953	956	1 076	986	816	978	856	947	Jan.-June
Jan.-July	939	951	1 064	973	802	947	871	928	Jan.-July
Jan.-Aug.	931	944	1 055	977	790	934	865	922	Jan.-Aug.
Jan.-Sept.	929	942	1 052	983	788	930	877	915	Jan.-Sept.
Jan.-Oct.									Jan.-Oct.
Jan.-Nov.									Jan.-Nov.
Jan.-Dec.									Jan.-Dec.

The import- and export-indices have been calculated by the Statistical Dept. of the 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: foodstuffs, clothing, agricultural requirements and other goods. The three last-named have been further divided, according to their purpose, into raw materials, machinery and industrial products.

This import-price index is lower than the wholesale price index because the import-price index is not influenced by the customs duties.

28. — EXPORT-PRICE INDEX.

Year and Month	Total All Kinds	Details								Year and Month
		Fresh Meat	Butter	Cheese	Timber	Bobbin	Mechanical Pulp	Chemical Pulp	Paper	
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	1 742	1 185	1920
1921	1 213	1 008	1 636	1 489	996	2 186	2 202	1 502	1 433	1921
1922	1 180	1 075	1 351	1 066	1 081	1 911	2 002	1 355	1 198	1922
1923	1 145	1 083	1 121	985	1 143	1 865	1 708	1 264	958	1923
1924	1 090	1 045	1 250	1 088	1 089	1 936	1 865	1 103	924	1924
1925	1 111	1 026	1 303	1 013	1 091	1 950	1 384	1 181	935	1925
1926	1 092	951	1 166	884	1 077	1 834	1 489	1 209	940	1926
1927	1 092	1 069	1 133	911	1 114	1 880	1 272	1 164	907	1927
1928	1 092	1 158	1 231	1 008	1 149	1 742	1 104	1 050	853	1928
1929										1929
January	1 069	1 363	1 262	923	1 058	1 590	1 192	1 069	821	January
Jan.-Febr.	1 063	1 233	1 244	924	1 064	1 607	1 202	1 062	820	Jan.-Febr.
Jan.-March	1 051	1 181	1 207	925	1 064	1 622	1 204	1 059	804	Jan.-March
Jan.-April	1 031	1 171	1 176	919	1 070	1 589	1 198	1 055	814	Jan.-April
Jan.-May	1 031	1 169	1 157	920	1 092	1 640	1 177	1 048	815	Jan.-May
Jan.-June	1 041	1 166	1 152	922	1 110	1 647	1 166	1 053	811	Jan.-June
Jan.-July	1 055	1 151	1 147	896	1 117	1 646	1 158	1 057	809	Jan.-July
Jan.-Aug.	1 066	1 128	1 143	918	1 128	1 688	1 147	1 058	803	Jan.-Aug.
Jan.-Sept.	1 068	1 102	1 152	919	1 126	1 707	1 142	1 060	802	Jan.-Sept.
Jan.-Oct.										Jan.-Oct.
Jan.-Nov.										Jan.-Nov.
Jan.-Dec.										Jan.-Dec.

Besides the total index the table contains indices for only a few of the most important exports. See in addition remarks under Table No. 27.

29. — 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.-Sept.	Year
I m p o r t s															
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1913
1925	95.6	90.7	109.3	109.6	78.0	100.2	98.0	108.3	102.1	84.6	112.4	206.4	105.9	98.3	1925
1926	98.3	99.6	122.1	145.3	93.5	124.9	110.4	130.3	107.7	95.2	128.2	168.9	116.3	114.0	1926
1927	131.8	136.5	153.8	150.7	122.6	147.8	129.3	154.4	131.0	108.2	133.0	167.5	136.4	138.6	1927
1928	173.9	194.9	212.1	183.2	158.3	170.3	144.0	190.9	161.2	150.5	163.5	173.2	169.4	173.2	1928
1929	174.6	128.4	116.7	220.9	167.2	169.0	168.7	171.8	131.4					161.1	1929
E x p o r t s															
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1913
1925	166.9	137.9	150.0	135.1	112.1	98.8	127.3	119.2	126.5	129.3	137.0	109.6	123.9	123.0	1925
1926	135.8	113.5	150.4	146.2	71.0	107.3	137.2	116.0	116.8	153.9	165.1	154.8	127.5	117.3	1926
1927	178.2	167.8	160.3	144.4	103.3	123.1	149.3	153.4	148.9	143.5	161.9	136.6	143.1	141.7	1927
1928	171.1	159.0	202.8	132.7	124.3	96.0	118.4	141.6	142.3	154.9	182.6	174.2	141.2	132.0	1928
1929	222.3	123.4	139.2	213.8	132.3	129.2	129.4	157.4	132.1					143.8	1929

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

30. — TOTAL SALES OF SOME WHOLESALE FIRMS. 1)

Month	Total sales Mill. Fmk							Month
	1923	1924	1925	1926	1927	1928	1929	
January	119.8	138.9	163.2	156.8	180.6	241.1	240.6	January
February	135.7	167.3	165.6	165.4	201.4	257.3	259.0	February
March	159.2	187.0	205.2	225.2	257.0	336.4	278.6	March
April	152.4	196.8	213.2	227.3	238.2	280.6	337.7	April
May	133.1	171.8	199.6	206.0	235.9	288.6	304.6	May
June	146.6	164.0	182.8	210.8	227.0	268.5	273.3	June
July	126.2	178.4	186.2	211.0	221.2	260.8	294.1	July
August	148.3	181.0	214.4	235.3	258.8	305.1	301.9	August
September	168.0	183.0	207.3	244.1	278.4	321.1	295.0	September
October	171.7	188.7	203.4	246.2	282.2	352.3		October
November	166.3	165.9	210.4	238.4	272.9	289.3		November
December	138.9	138.1	204.3	185.7	187.0	210.9		December
Total	1 766.2	2 060.9	2 355.6	2 552.2	2 840.6	3 412.5		Total
Jan.-Sept.	1 289.3	1 568.2	1 737.5	1 881.9	2 098.5	2 559.5	2 584.8	Jan.-Sept.

1) According to information supplied by ten wholesale firms — either co-operative or limited liability companies — the total sales of which represent about 1/5 of the whole turnover of all wholesalers in Finland.

31. — FOREIGN SHIPPING.

Month	Arrivals						Sailings						Month
	With Cargo		In Ballast		Total		With Cargo		In Ballast		Total		
	Ves- sels	Reg. tons Net.	Ves- sels	Reg. tons Net.	Ves- sels	Reg. tons Net.	Ves- sels	Reg. tons Net.	Ves- sels	Reg. tons Net.	Ves- sels	Reg. tons Net.	
1929													1929
January	156	121 011	42	20 568	198	141 579	178	133 880	34	23 998	212	157 878	January
February	68	51 080	4	3 367	72	54 447	78	59 598	6	6 830	84	66 428	February
March	91	75 395	4	3 453	95	78 848	71	57 557	2	910	73	58 467	March
April	165	138 497	23	20 280	188	158 777	161	130 570	16	16 807	177	147 377	April
May	440	246 986	227	172 333	667	419 319	433	278 789	158	46 861	591	325 650	May
June	595	255 972	452	346 887	1 047	602 859	890	543 830	203	41 656	1 093	585 486	June
July	576	329 180	565	453 689	1 141	782 869	965	708 857	179	43 236	1 144	752 093	July
August	502	257 764	500	404 486	1 002	662 250	942	709 273	127	41 357	1 069	750 630	August
September	510	260 511	412	311 097	922	571 608	763	524 485	123	36 534	886	561 019	September
October													October
November													November
December													December
Jan.-Sept. 1928	3 103	1 736 396	2 229	1 736 160	5 332	3 472 556	4 481	3 146 839	848	258 189	5 329	3 405 028	Jan.-Sept. 1928
Jan.-Sept. 1929	3 592	1 812 039	2 397	1 801 086	5 989	3 613 125	4 527	3 123 238	1 459	372 710	5 986	3 495 948	Jan.-Sept. 1929

1) Of which 1 785 Finnish vessels and 3 597 foreign vessels.
 2) . . . 1 868 . . . 3 461 . . .

32. — SHIPPING WITH VARIOUS COUNTRIES AND PASSENGER TRAFFIC.

Country of departure and destination	Arrivals ¹⁾ Jan.-Aug. 1929		Sailings ¹⁾ Jan. Aug. 1929		Country of departure and destination	Arrivals ¹⁾ Jan.-Aug. 1929		Sailings ¹⁾ Jan.-Aug. 1929	
	Number of Vessels	1 000 Reg. tons Net.	Number of Vessels	1 000 Reg. tons Net.		Number of Vessels	1 000 Reg. tons Net.	Number of Vessels	1 000 Reg. tons Net.
Europe:					Asia	1	2.4	2	7.2
Belgium	148	145.0	315	282.3	Africa	3	4.5	40	106.1
Danzig	218	164.3	24	14.8	United States	59	179.9	50	146.4
Denmark	501	321.9	357	120.7	Other States of America.	8	22.5	11	32.6
Estonia	733	128.9	682	89.1	Australia....	—	—	—	—
France	57	72.0	230	200.9	Total	71	209.3	103	292.3
Germany	1 144	808.0	919	565.9	Grand Total	5 332	3 472.6	5 329	3 405.0
Great Britain..	522	551.9	1 069	1 002.1	PASSENGER TRAFFIC. ²⁾				
Holland	252	327.8	342	408.7	Month	Arrived		Left	
Latvia	102	48.3	40	22.0		Total	Of whom Foreigners	Total	Of whom Foreigners
Norway	40	39.5	13	5.1	September 1929	5 952	2 865	6 516	3 636
Russia	104	17.3	154	57.0	Jan.-Sept. 1929	54 860	28 722	52 877	26 037
Sweden	1 299	513.4	1 004	273.4					
Spain	15	16.4	55	46.3					
Other countries	126	108.6	22	23.9					
Total Europe	5 261	3 263.3	5 226	3 112.7					

¹⁾ Vessels with cargo and in ballast together. — ²⁾ Sea-traffic. Passenger traffic overland is at present insignificant. According to figures supplied by the Statistical Office of the Shipping Board.

33. — STATE RAILWAYS.

Month	Weight of Goods Transported 1 000 Tons			Axle-kilometres of Goods-trucks Mill. Km			Locomotives in use Number			Goods-trucks in use Number			End of Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	818.2	917.8*	800.0*	47.0	52.8	49.2	546	554	570	18 453	19 541	21 142	January
February	940.4	997.2*	880.8*	51.7	54.0	51.5	561	576	600	18 521	19 558	21 816	February
March	1 060.4	1 105.9*	838.6*	58.5	60.3	54.5	563	567	584	18 619	19 727	21 277	March
April	797.7	778.1*	861.8*	52.1	48.4	56.4	542	547	583	18 717	19 953	21 447	April
May	879.9	962.0*	894.9*	54.5	53.1	55.6	562	566	588	18 782	20 126	21 588	May
June	952.7	1 039.2*	1 059.5*	55.1	59.4	63.0	581	612	635	18 827	20 280	21 718	June
July	1 100.2	1 090.2*	1 181.0*	66.6	63.6	68.9	590	614	633	18 828	20 283	21 721	July
August	1 060.7	1 097.2*	1 127.0*	65.5	64.7	68.3	585	613	631	18 885	20 429	21 721	August
September	996.7	1 041.1*		64.2	60.1		583	613		19 024	20 685		September
October	919.9	1 012.0*		58.9	57.8		579	605		19 198	20 922		October
November	841.2	826.0*		47.2	48.4		564	587		19 342	21 085		November
December	785.3	667.4*		49.8	42.2		547	564		19 484	21 085		December
Total	11 143.3	11 534.1*		671.1	664.8								
Jan.-Aug.	7 600.2	7 987.6*	7 643.6*	451.0	456.3	467.4							

34. — STATE RAILWAYS' REVENUE, REGULAR EXPENDITURE AND TRAFFIC SURPLUS.

Month	Revenue (less Re-imburements) Mill. Fmk			Regular Expenditure Mill. Fmk			Traffic Surplus Mill. Fmk			Month
	1927 ¹⁾	1928 ¹⁾	1929 ¹⁾	1927	1928	1929	1927	1928	1929	
January	62.5	70.0*	66.3*	45.3	48.5*	57.2*	17.2	21.5*	9.1*	January
February	60.0	67.2*	60.9*	48.2	56.8*	61.1*	11.8	10.4*	0.2*	February
March	70.9	78.8*	72.7*	53.1	60.1*	62.5*	17.8	18.2*	10.2*	March
April	67.1	69.5*	79.9*	50.5	51.7*	58.1*	16.6	17.8*	21.8*	April
May	65.5	71.2*	73.8*	60.7	56.8*	63.9*	4.8	14.4*	9.9*	May
June	74.6	79.0*	83.9*	66.3	65.5*	73.6*	8.3	13.6*	10.3*	June
July	76.6	81.8*	86.6*	54.0	61.6*	61.6*	22.6	20.2*	25.0*	July
August	77.6	83.1*	84.6*	56.5	56.6*	61.8*	21.1	26.6*	22.8*	August
September	74.7	77.6*		59.0	62.5*		15.7	15.1*		September
October	70.7	75.4*		52.5	60.9*		18.2	14.5*		October
November	64.5	67.3*		52.0	63.5*		12.5	3.5*		November
December	71.5	71.0*		81.9	65.7*		—10.4	5.3*		December
Total	836.2	891.9*		680.0	710.5*		156.2	181.4*		Total
Jan.-Aug.	554.8	600.6*	608.7*	434.6	457.6*	499.8*	120.2	143.0*	108.9*	Jan.-Aug.

According to Finnish State Railways' Preliminary Monthly Statistics.

¹⁾ At the final closing of the books the figures for income and expenditure will alter to a certain extent, in some cases quite considerably. The difference between the results based on preliminary data and the final figures will be adjusted in the figures for December.

* Preliminary figures subject to minor alterations.

35. — INDEX NUMBER OF COST OF LIVING. 1)

Month	Foodstuffs	Clothing	Rent	Fuel	Tobacco	Newspapers	Taxes	Total Cost of Living	Monthly Movement	Month
1914										1914
Jan.-June	100	100	100	100	100	100	100	100	—	Jan.-June
1926	1 108	1 042	1 306	1 271	1 298	1 079	2 058	1 183	—	1926
1927	1 115	1 036	1 379	1 405	1 300	1 127	2 135	1 207	—	1927
1928	1 150	1 047	1 422	1 434	1 297	1 159	2 039	1 233	—	1928
1928										1928
September	1 174	1 052	1 430	1 429	1 295	1 159	2 035	1 249	— 9	September
October	1 183	1 052	1 430	1 426	1 296	1 159	2 035	1 254	+ 5	October
November	1 194	1 054	1 430	1 442	1 297	1 159	2 035	1 262	+ 8	November
December	1 186	1 055	1 430	1 452	1 295	1 159	2 085	1 260	— 2	December
1929										1929
January	1 156	1 055	1 430	1 450	1 295	1 175	2 085	1 242	— 18	January
February	1 141	1 055	1 430	1 446	1 297	1 175	2 085	1 232	— 10	February
March	1 135	1 055	1 430	1 456	1 298	1 175	2 085	1 229	— 3	March
April	1 118	1 056	1 430	1 463	1 298	1 175	2 085	1 219	— 10	April
May	1 104	1 056	1 430	1 460	1 298	1 175	2 085	1 210	— 9	May
June	1 103	1 055	1 476	1 456	1 298	1 175	2 085	1 215	+ 5	June
July	1 116	1 055	1 476	1 451	1 301	1 175	2 085	1 223	+ 8	July
August	1 131	1 055	1 476	1 446	1 301	1 175	2 085	1 232	+ 9	August
September	1 128	1 055	1 476	1 450	1 301	1 175	2 085	1 230	— 2	September

1) From the beginning of 1921 onwards a new official index has been drawn up differing from that published in the Bulletin for 1922 in that the whole first half of 1914 forms the basis (= 100) for the same, and that the rise in taxation is also included.

The index is calculated by the Statistical Bureau of the Ministry of Social Affairs 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 1 600—2 000 Fmk, assuming that the average monthly consumption within the same remained unaltered. The index for total cost of living is the average based on weight of the different indices.

36. — WHOLESALE PRICE INDEX.

Month	Total index			Products of agriculture			Products of home industry			Imported goods in the Finnish wholesale trade			Month
	1927	1928	1929	1927	1928	1929	1927	1928	1929	1927	1928	1929	
January	100	102	100	102	107	105	99	102	100	101	100	97	January
February	101	102	100	104	109	108	99	102	99	101	99	97	February
March	101	103	100	103	110	108	99	102	99	101	100	98	March
April	100	103	99	102	111	104	99	102	99	101	100	98	April
May	100	103	98	101	111	103	99	103	99	101	100	96	May
June	101	103	98	102	111	102	100	103	98	101	99	95	June
July	101	103	97	103	115	98	100	102	99	101	99	95	July
August	102	103	97	107	114	97	101	102	98	100	98	95	August
September	101	101	96	103	109	95	101	102	98	100	98	95	September
October	101	101		103	110		102	101		100	97		October
November	103	101		108	109		102	101		100	97		November
December	103	101		109	108		103	101		100	97		December
Whole year	101	102		104	110		100	102		101	99		Whole year

The new wholesale price index is worked out at the Central Statistical Office. — The index is based on the quantity of goods in the local wholesale trade in Finland, the average price for 1926 being taken as a basis. There is no direct weighing of the data regarding prices, but indirect weighing has been carried out by each class of goods being represented by the number of commodities which corresponds to the calculated importance of the class in the wholesale trade. The averages are arithmetical averages.

37. — NUMBER OF UNEMPLOYED.

End of Month	1927			1928			1929			Monthly Movement	End of Month
	Male	Female	Total	Male	Female	Total	Male	Female	Total		
January	2 545	1 088	3 633	2 216	726	2 942	3 820	911	4 731	+1 863	January
February	2 054	975	3 029	1 782	713	2 495	3 433	722	4 155	— 576	February
March	1 368	736	2 104	1 543	596	2 139	2 455	735	3 190	— 965	March
April	993	709	1 702	977	505	1 482	2 259	786	3 045	— 145	April
May	670	569	1 239	502	366	868	969	311	1 280	—1 765	May
June	596	534	1 130	441	370	811	858	299	1 157	— 123	June
July	439	443	882	415	347	762	872	412	1 284	+ 127	July
August	586	635	1 221	491	366	857	1 297	562	1 859	+ 575	August
September	585	666	1 251	603	343	946	1 954	757	2 711	+ 852	September
October	939	682	1 621	992	608	1 600					October
November	1 641	808	2 449	2 117	928	3 045					November
December	1 639	463	2 152	2 220	648	2 868					December

This table, prepared from the weekly reports of the Labour Exchange Department of the Ministry of Social Affairs, shows the number of unemployed registered in the books of the communal labour exchanges in the majority of towns and a very small part of the rural centres of population at the close of the week nearest to the month's end. As agricultural labourers and skilled artisans 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.

38. — CESSATION OF WORK.

Month	Initiated cessation of work			Cessation of work continued from preceding month			Total			Month
	number	affecting		number	affecting		number	affecting		
		employers	hands		employers	hands		employers	hands	
1927										1927
September	3	3	94	16	91	8 540	19	94	8 634	September
October	—	—	—	16	91	8 542	16	91	8 542	October
November	2	2	83	12	83	8 109	14	85	8 192	November
December	1	1	15	11	82	8 052	12	83	8 067	December
1928										1928
January	3	3	97	4	10	802	7	13	899	January
February	5	6	657	3	3	456	8	9	1 113	February
March	4	46	656	2	2	231	6	48	887	March
April	11	16	3 234	3	10	655	14	26	3 889	April
May	18	73	3 644	12	24	3 256	30	97	6 900	May
June	17	125	15 077	20	33	3 658	37	158	18 735	June
July	2	4	116	25	129	14 140	27	133	14 256	July
August	5	22	189	16	79	10 547	21	101	10 736	August
September	2	10	252	15	76	10 077	17	86	10 329	September
October	—	—	—	14	83	10 038	14	83	10 038	October
November	5	5	146	17	62	7 103	12	67	7 249	November
December	—	—	—	10	65	7 207	10	65	7 207	December
1929										1929
January	—	—	—	6	6	843	6	6	843	January
February	4	4	518	4	4	358	8	8	876	February
March	5	21	383	7	7	851	12	28	1 234	March
April	1	1	8	8	24	750	9	25	758	April
May	7	98	1 179	7	23	584	14	121	1 763	May
June	2	4	191	7	64	1 394	9	68	1 585	June
July	2	2	56	8	66	1 544	10	68	1 600	July
August	—	—	—	2	53	350	2	53	350	August
September	1	1	38	1	4	20	2	5	58	September

The above particulars which are of a preliminary nature, have been compiled by the Statistical Bureau of the Ministry of Social Affairs. The majority of cases of cessation of work were described as strikes.

CERTAIN PARTICULARS ABOUT FINLAND.

1. FORM OF GOVERNMENT.

Finland formed a part of the kingdom of Sweden from 1154 to 1809; after 1809 it was an autonomous Grand Duchy connected with Russia up to December 6th, 1917, when Finland declared its independence, which was acknowledged by all the Powers including Soviet Russia. It became a republic in 1919. The legislative power of the country is vested in the Diet and the President. The highest executive power is held by the President chosen for a period of 6 years. The present President *L. Kr. Relander* is elected for the term 1 March, 1925, to 1 March, 1931.

The Diet, composed of 200 members, is elected by universal suffrage. The proportions of the different parties in the Diet elected in 1929 are as follows:

	Number	Per cent
Swedish party	23	11.5
Unionist party	28	14.0
Agrarian party	60	30.0
Progressive party	7	3.5
Social-Democrats	59	29.5
Communists	23	11.5

2. LAND.

THE AREA is 388,279 square kilometres = 150,005 square miles, (Great Britain's area is 89,047 sq. m. and Italy's area 117,982 sq. m.). Of the total area 11.5 % are lakes. On an average 10.8 % of the land in the south of Finland is cultivated, 0.9 % in the North, 6.3 % of the whole land. Of the land area 25.3 mill. ha (62.5 mill. acres) or 73.4 % are covered by forests.

THE AVERAGE TEMPERATURE in the coldest month is in S. W. Finland -5° to -6° C., in Lapland -15° C. and during the warmest month $+15^{\circ}$ and $+13^{\circ}$ to $+14^{\circ}$ C. resp. The average temperature in Helsinki is $+4.6^{\circ}$ (in Oslo $+5.6^{\circ}$, in Montreal $+5.6^{\circ}$, in Moscow $+3.6^{\circ}$). The ground is covered by snow in the South for about 100 days, in Central Finland for 150 to 180 days, in Lapland about 210 days.

3. POPULATION.

NUMBER OF INHABITANTS (1927): 3.6 millions (of which 0.3 million emigrants), Sweden (1927) 6.1, Switzerland (1926) 4.0, Denmark (1927) 3.5 and Norway (1926) 2.8 millions.

DENSITY OF POPULATION (1927): In South-Finland 18.1, in North-Finland 2.4 and in the whole country an average of 10.4 inhabitants to the square kilometre.

LANGUAGE (1920): Finnish speaking 88.7 %, Swedish speaking 11.0 %, others 0.3 %.

RELIGION (1927): Lutheran 97.0 %, Greek-Orthodox 1.7 %, others 1.3 %.

DISTRIBUTION (1927): 80.0 % of the population inhabit the country, 20.0 % the towns and urban districts. The largest towns are (1927): Helsinki (Helsingfors), the capital, 220,904 inhabitants, Turku (Åbo) 62,599, Tampere (Tammerfors) 53,121, Viipuri (Viborg) 49,912.

EDUCATION (1920): Amongst persons over 15 years of age only 1.0 % are illiterate. There are three universities, founded 1640, 1917 and 1920.

INCREASE OF POPULATION (1927): Births 21.2 ‰, deaths 14.5 ‰ (in France in 1925 17.6 ‰, and in England in 1925 12.2 ‰), natural increase 6.7 ‰.

4. INDUSTRY.

PROPORTIONS OF OCCUPATIONS OF THE POPULATION (1920): agriculture 65.1 %, industry and manual labour 14.8 %, commerce 3.4 %, other occupations 16.7 %.

OWNERSHIP OF LAND. The land area is distributed among different classes of owners approximately as follows: private 52.1 %, State 39.7 %, Joint Stock Companies 6.5 %, communities 1.7 %.

FOREST RESOURCES. The growing stock of the forest is 1,620 million m³ (57,218 million cubic feet). The merchantable timber (measuring 20 cm at breast height = 6 in. at a height of 18 ft.) amounts to 1,557 million trees. Of this number pine is represented by 61 %, spruce by 28 %, the conifers thus constituting 89 % or 1,384 million trees, leaf-trees, mostly birch, 11 % or 173 million trees. The annual increment is 44.5 million m³ (1,568 million cub. ft.). The annual fellings according to earlier calculations are 40 million m³ (1,413 million cub. ft.). In North Finland the increment is much larger than the fellings, but in South Finland excess felling occurs locally.

AGRICULTURE. Cultivated land 2.1 million hectares, divided as follows: area under cultivation 0.4—10 hectares 33.7 %, 10—50 ha 48.9 %, 50—100 ha 9.3 %, over 100 ha 8.1 %. Cultivated land is divided between the different kinds of crops as follows: 46.8 % hay, 20.4 % oats, 11.1 % rye, 5.3 % barley, 3.2 % potatoes, 13.1 % other. The number of dairies in 1928 amounted to 630.

INDUSTRY (1927): Number of industrial concerns 3,789, hands 159,141, gross value of products of industry 12,382 million marks.

LENGTH OF RAILWAYS (1929): 5,241 km, of which 4,975 km State railways and 266 km private. The gauge is 1.524 m.

COMMERCIAL FLEET (1929): Steam ships 529 (140,537 reg. tons net), motor vessels 132 (14,714 r. t.), sailing ships 377 (67,916 r. t.), lighters 3,992 (282,628 r. t.). Total 5,030 (505,795 r. t.).

5. FINANCE AND BANKING.

CURRENCY. Since 1860 Finland has its own monetary system. From 1877 up to the Great War the currency maintained its stable gold value and after the disturbances caused by the war Finland has again from January 1st, 1926, a gold standard. The unit of currency is the mark (Finnish 'markka') = 100 penniä. The gold value of 100 marks is equal to \$ 2.5185 = £— 10 s. 4 1/2 d.

STATE FINANCES. According to the balance sheet for 1928 the State revenue was 5,072.4 million marks of which 4 475.7 million marks were ordinary revenue, and State expenditure 5,041.6 million marks, of which 3,567.7 million marks were ordinary expenditure. The principal sources of revenue were as follows: State property and undertakings 1,671.2, direct taxes 566.5, indirect taxes 1,604.7, miscellaneous taxes 306.4, charges 209.9, miscellaneous revenue 143.9 and loans 535.0. The value of State property in 1922 is estimated at 11,150.6 million marks. For National Debt see table 18 in this issue.

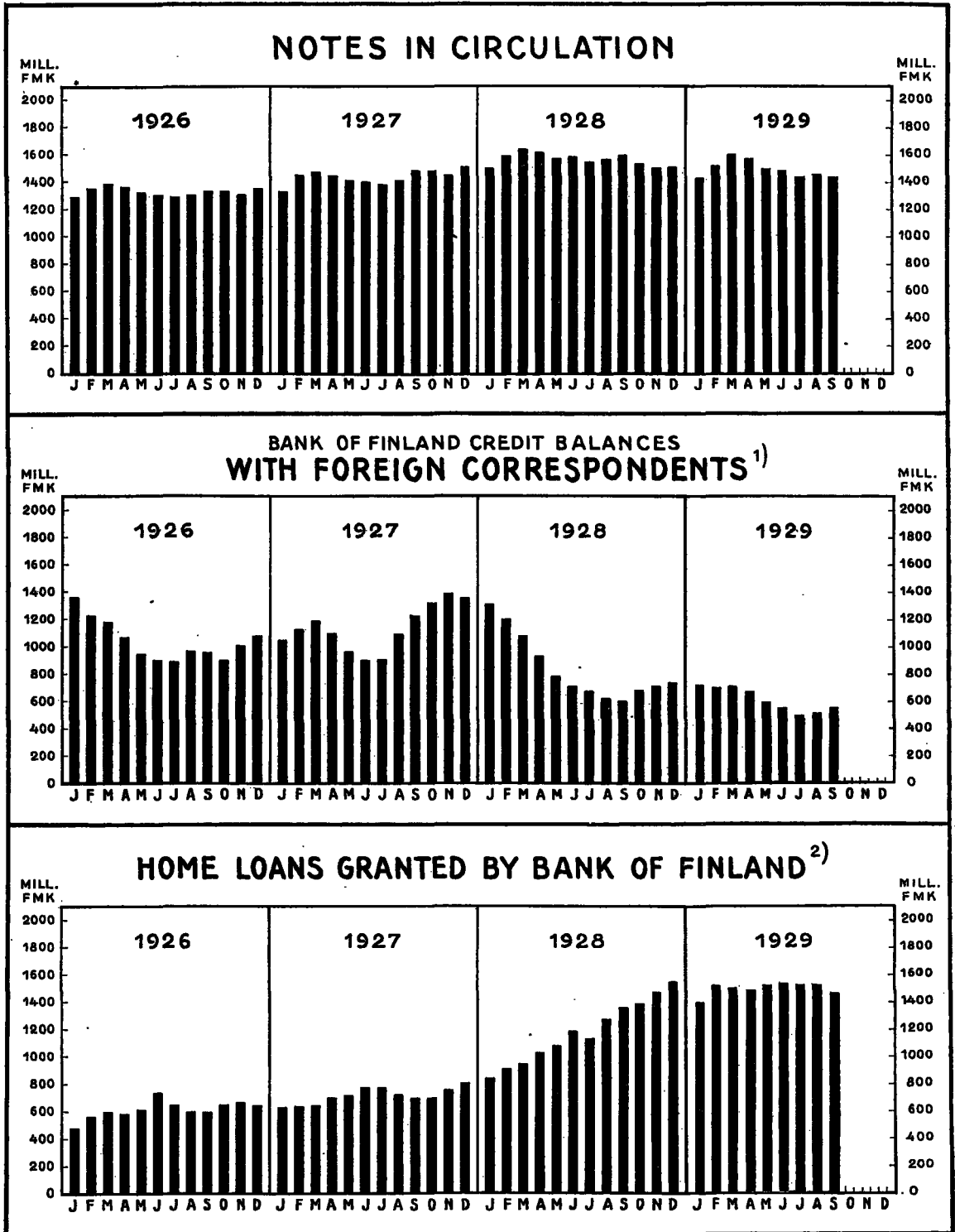
MUNICIPAL FINANCES. According to the Budget for 1929 expenditure amounted to 1,245.1 million marks. Income from taxation was 428.4 million marks, taxed income 6,380.2 million marks. The communal income tax (not progressive) averaged 6.7 % of the ratepayers' income.

THE BANK OF ISSUE. The Bank of Finland, (founded in 1811) is a State Bank. Its head-office is in Helsinki (Helsingfors) with branches in Turku (Åbo), Pori (Björneborg), Vaasa (Vasa), Oulu (Uleåborg), Kuopio, Joensuu, Sortavala, Viipuri (Viborg), Mikkeli (St Michel), Tampere (Tammerfors), Hämeenlinna (Tavastehus), Jyväskylä and Kotka.

THE JOINT STOCK BANKS (1929): Number 17, possess 590 branch offices, where all kinds of banking business is transacted. Including all banks, there is one banking establishment per 5,800 inhabitants.

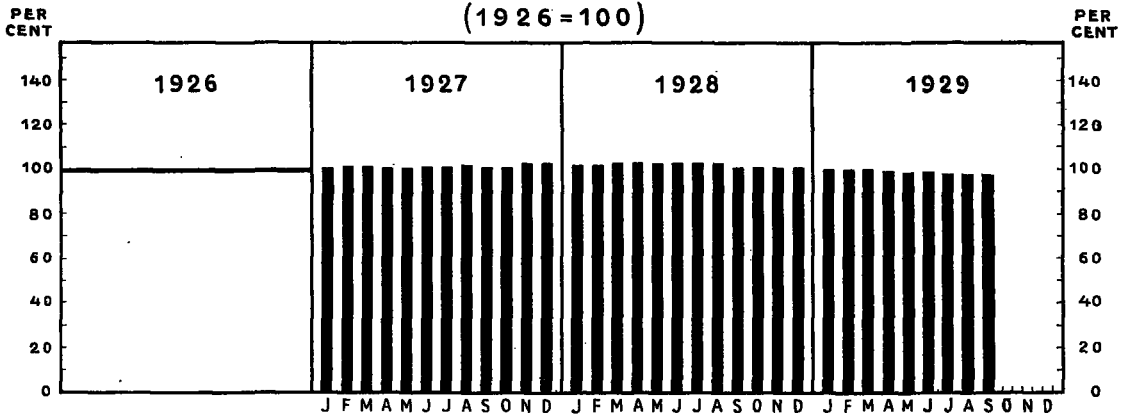
The largest banks are: Kansallis-Osake-Pankki, Ab. Nordiska Föreningsbanken, Maakuntain Pankki Oy., Ab. Unionbanken and Helsingfors Aktiebank, all with head offices in the capital.

OTHER BANKS (1929): Mortgage banks 7, Savings banks 474, Co-operative Credit Societies 1,419 and a Central Bank for the latter

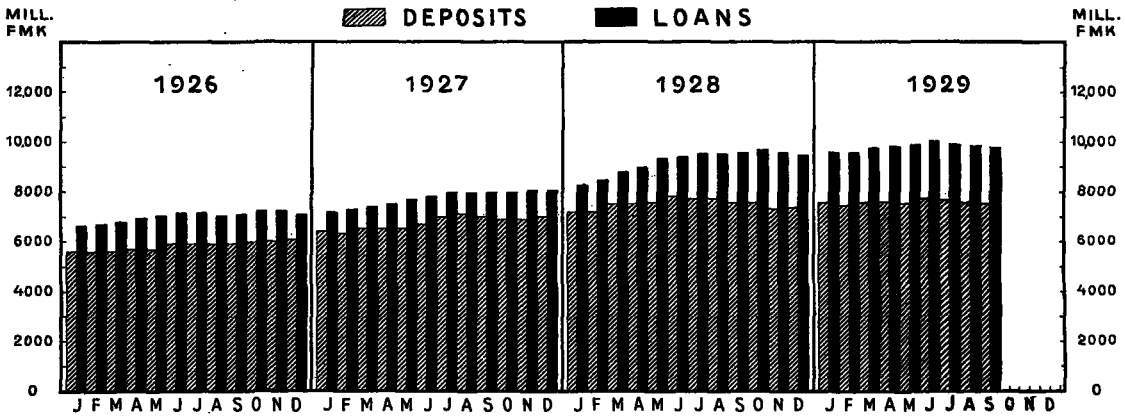


¹⁾ Including the Credit abroad, which amounted to 256.2 mill. mks. to January 31st, 1926, 114.6 mill. mks. up to April 14th, 1928, and was then discontinued.
²⁾ Loans granted to Joint Stock banks and the public.

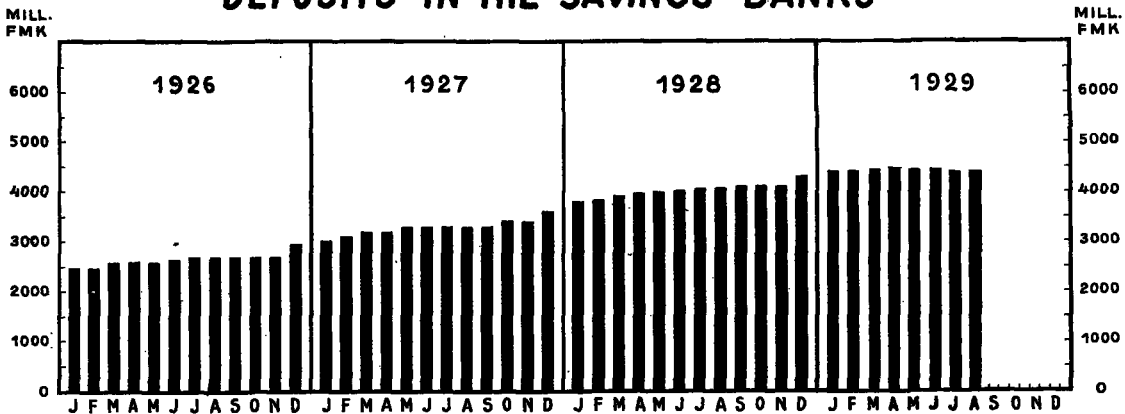
WHOLESALE PRICE INDEX (1926 = 100)



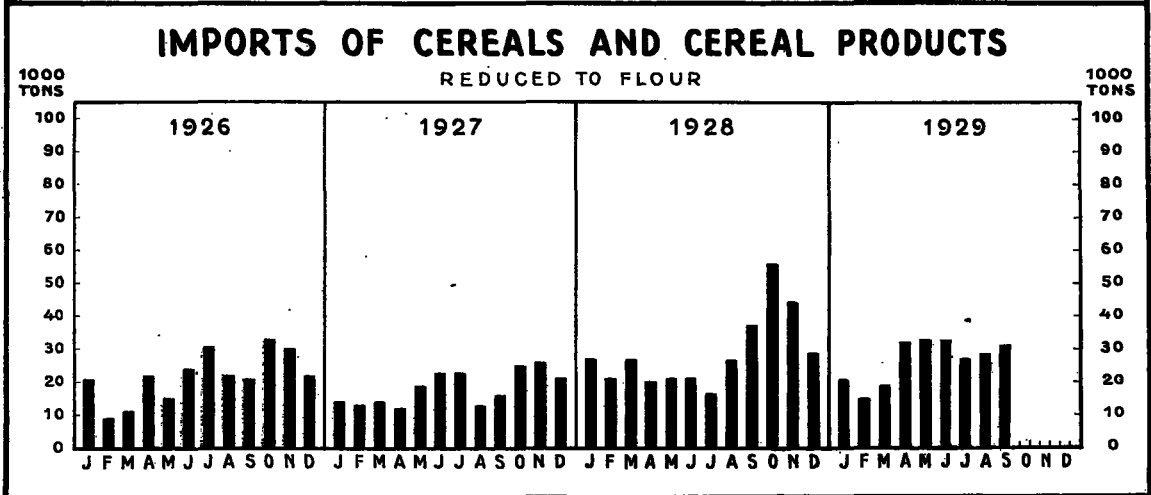
JOINT STOCK BANKS



DEPOSITS IN THE SAVINGS-BANKS¹⁾

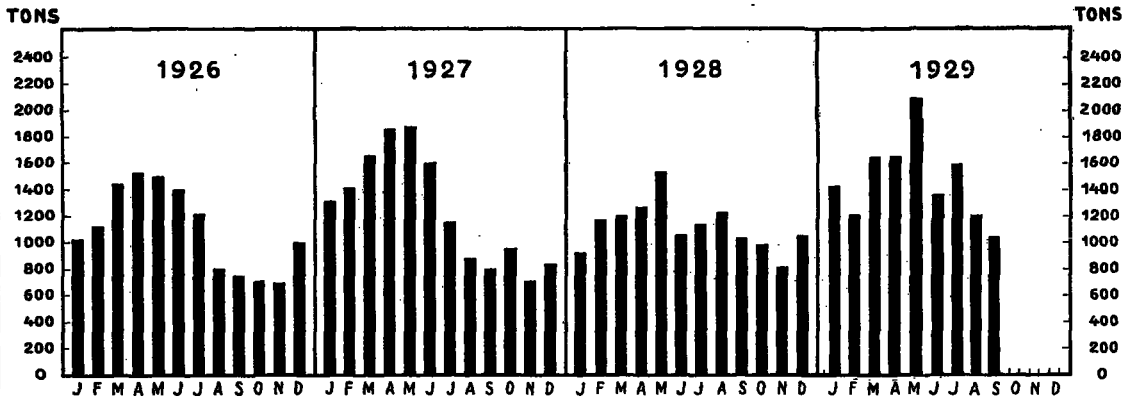


¹⁾ Including deposits in the Savings-Banks, in the Post Office Savings-Bank and on Consumers' Co-operative Societies' Savings Account.

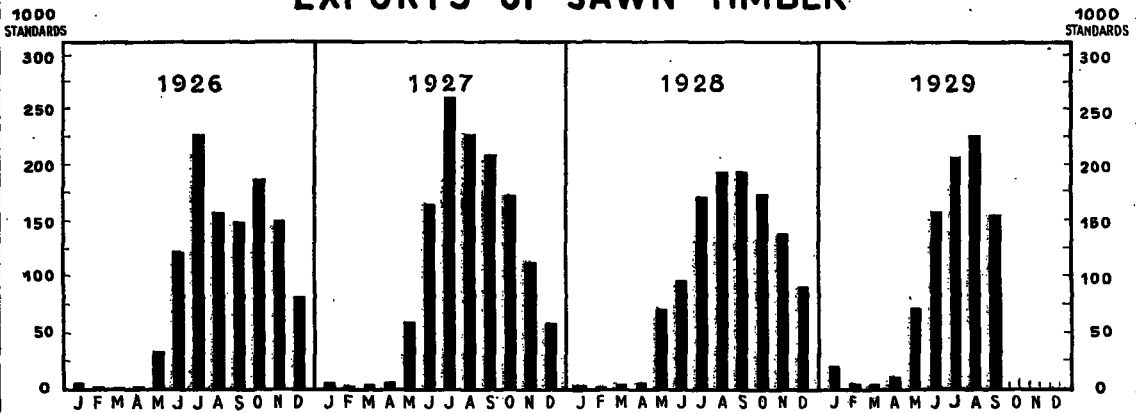


¹⁾ Imports and exports in corresponding month 1913=100, see footnote to table 29.

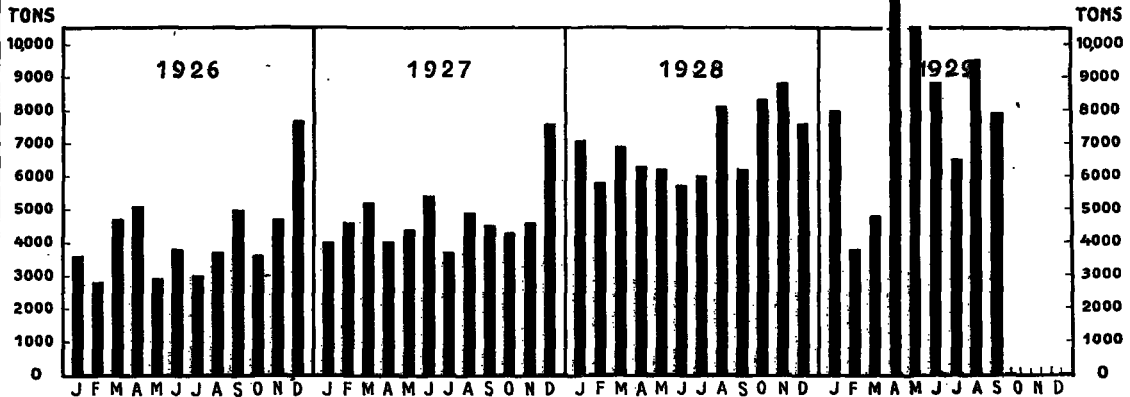
EXPORTS OF BUTTER



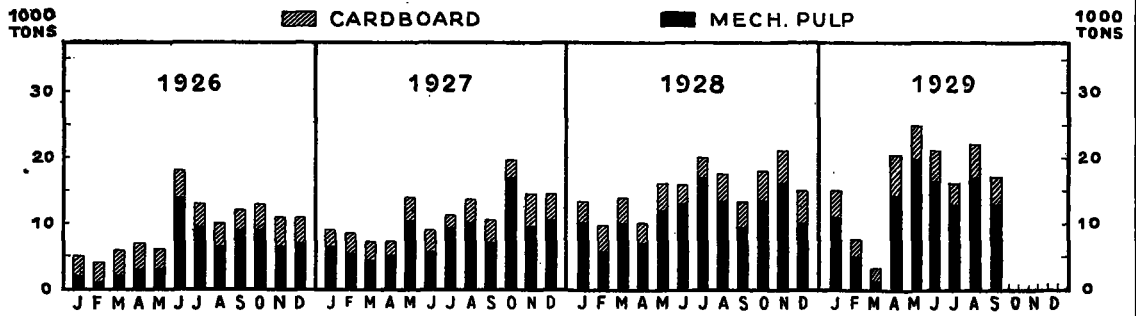
EXPORTS OF SAWN TIMBER



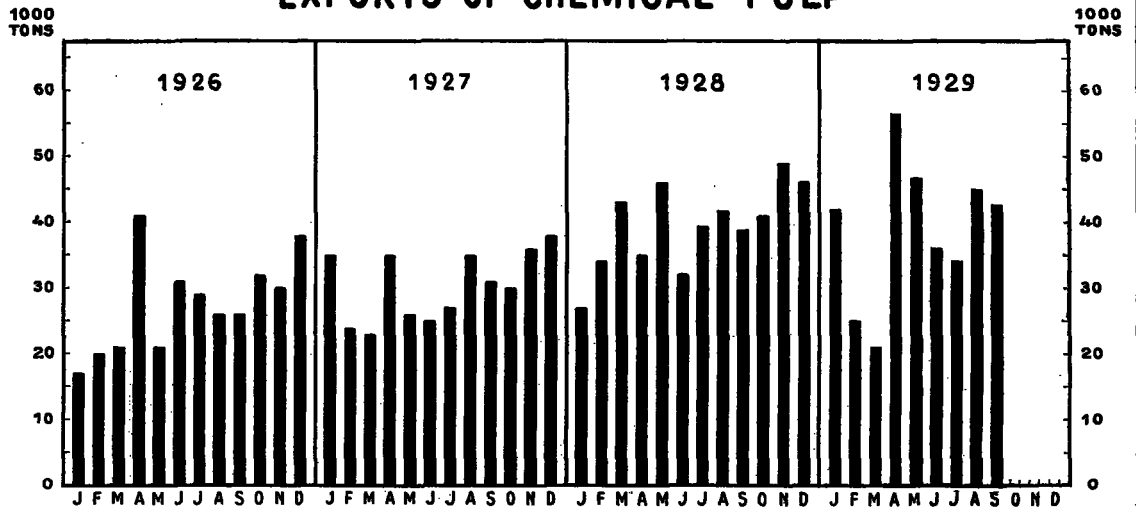
EXPORTS OF PLYWOOD



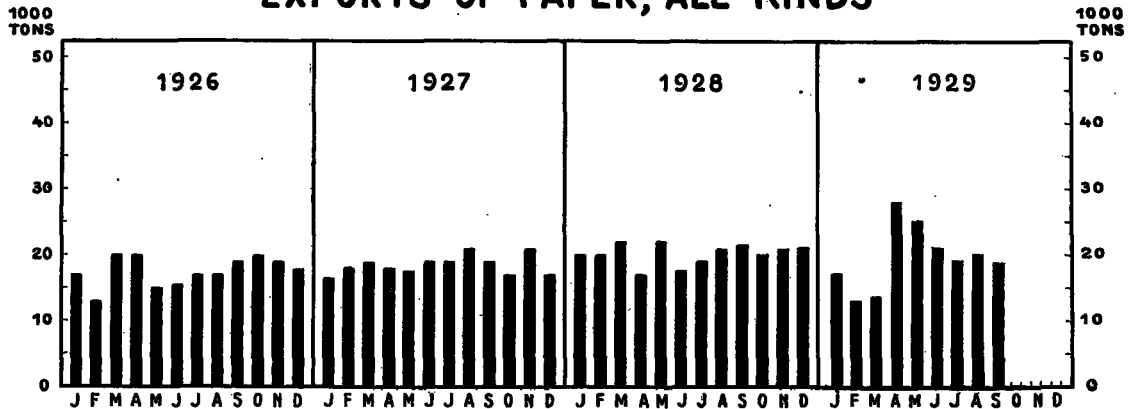
EXPORTS OF MECHANICAL PULP AND CARDBOARD



EXPORTS OF CHEMICAL PULP



EXPORTS OF PAPER, ALL KINDS



TRAFFIC IN THE FINNISH HARBOURS.

BY

K. W. HOPPU, M. A.

HEAD OF THE STATISTICAL DEPARTMENT OF THE BOARD OF SHIPPING.

SHIPPING.

The fact that large harbours of the type found elsewhere in Scandinavia have not developed in Finland is due to the peculiar conditions of Finland's foreign trade. The chief export commodity of Finland is timber, which is now shipped from 72 export harbours, of which 23 are town harbours, 2 Government harbours and the remaining 47 country harbours, really nothing more than loading-places. Thus, while in most countries exports are generally concentrated at a few harbours, they are distributed in Finland over a very large number of harbours. Nevertheless, an increase in traffic has latterly been evident in a few harbours, though this is chiefly due to the ever growing regular liner traffic, in which the consignments of cargo are not large.

This decentralisation of harbour facilities is also responsible for the fact that the traffic in the individual harbours is relatively small. In two Finnish harbours only does foreign shipping exceed two million reg. tons, in two more one million reg. tons, while the rest fail to reach half a million reg. tons. Altogether 19 harbours can show foreign shipping exceeding 100,000 reg. tons.

The amount of foreign shipping in the harbours with traffic figures exceeding 100,000 reg. tons for the past three years has been as follows:

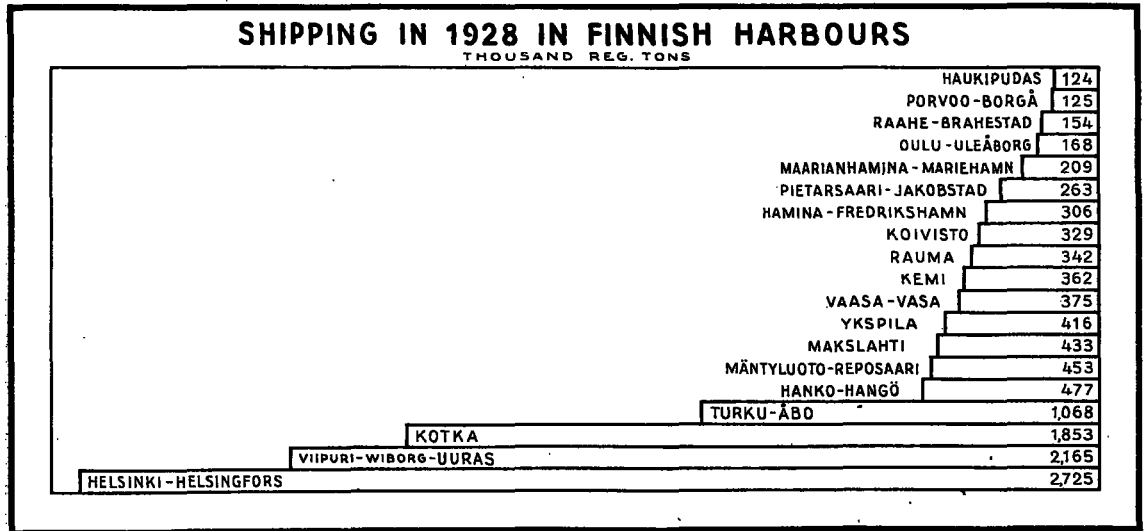
	1926 1,000 reg. tons	1927 1,000 reg. tons	1928 1,000 reg. tons
Helsinki (Helsingfors) ..	1,578	2,303	2,725
Viipuri and Uuras (Viiborg and Trångsund) ..	1,828	2,104	2,165
Kotka	1,497	1,905	1,853
Turku (Åbo)	892	957	1,068
Hanko (Hangö)	541	426	477

	1926 1,000 reg. tons	1927 1,000 reg. tons	1928 1,000 reg. tons
Mäntyluoto and Reposaari (Räfsö)	420	445	453
Makslahti	224	433	433
Ykspila	273	380	416
Vaasa (Vasa)	296	364	375
Kemi	317	350	362
Bauma	320	373	342
Koivisto	380	342	329
Hamina (Fredrikshamn) ..	275	400	306
Pietarsaari (Jakobstad) ..	199	312	263
Maarianhamina (Mariehamn)	195	202	209
Oulu (Uleåborg)	191	289	168
Baahé (Brahestad)	121	192	154
Porvoo (Borgå)	—	105	125
Haukipudas	—	—	124

In the capital, Helsinki, harbour traffic has made rapid progress in recent years, increasing in three years by no less than 73 % and placing Helsinki ahead of the largest timber export harbour group Viipuri-Uuras, which has hitherto shown the largest foreign traffic. Helsinki is the terminus for most of the outward passenger and cargo lines, i. e., the regular passenger-lines to Stockholm, Copenhagen, Hull, Lubeck, Stettin and Reval, etc., and the cargo lines to the continental and British ports as well as all the transatlantic lines.

A great part of the country's imports passes through the port of Helsinki, while exports, too, are considerable, as will be seen later on.

An increase in foreign traffic is evident also in the Viipuri-Uuras harbour group, but not as large as in the case of the capital. The development of this harbour, the most noteworthy in East Finland, has been unfavourably affected by the creation of two new harbours, each only a few years old, viz., Koivisto and Makslahti, in both of which traffic began after they had been connected in 1924 with the net of railways. The foreign traffic of the two harbours totals



740,000 reg. tons, by which quantity that of the Viipuri group has therefore suffered.

The foreign traffic of Kotka, the third largest harbour in the country, has also grown, the increase during the past three years being almost 24 %.

A harbour in which traffic has increased with especial rapidity is Ykspila, with an increase in traffic of 52 % in three years. This is due to a new railway connection with the interior. The traffic brought by this has not nearly reached its apex, but is, on the contrary, expected to increase considerably yet.

The traffic in Maarianhamina harbour appears very large, but is the result of the daily visits to this harbour of the regular steamers between Turku and Stockholm and vice versa, which ply all the year round, as well as of the small traffic represented by local vessels. Cargo shipments and the traffic caused by them are very small.

Taking into account traffic between the home harbours, sea-traffic in the four largest harbours with a traffic of over a million reg. tons reached the following figures:

	1,000 reg. tons
Helsinki	3,953
Viipuri	3,282
Kotka	2,120
Turku	1,845

In the capital, harbour traffic can thus be said to have attained the proportions of the big European harbours, while the Viipuri group, too, is not far behind. Kotka shows a total of over two million reg. tons, and Turku nearly two millions. In the other harbours the traffic, even including home traffic, has only slightly exceeded half a million reg. tons. It should be pointed out that the Saima Canal traffic, which totals close upon 500,000 reg. tons, also proceeds via Viipuri, and if this is included in the figures for Viipuri, the total traffic in that harbour hardly falls at all short of the traffic of the capital.

IMPORT TRAFFIC.

Import traffic is chiefly concentrated at a few ports. The quantity of imports, in metric tons, is as follows:

	1926 1,000 tons	1927 1,000 tons	1928 1,000 tons
Helsinki	671	1,103	1,409
Viipuri	244	298	456
Turku	360	392	444
Kotka	251	296	334
Vaasa	95	133	165
Pargas	95	64	102
Mäntyluoto	53	64	78

Imports in the other ports do not reach 50,000 tons.

In regard to the total imports passing through it, the capital differs considerably from the other harbours. Imports through Helsinki were 32.5 % in 1926, 40.3 % in 1927 and 42.5 % in 1928 of the total imports through all the harbours of Finland. The increase in imports from year to year is also noteworthy, the increase between 1926 and 1928 being altogether 110 %. Imports received at the Viipuri harbours have been 11.3 % in 1926, 11.4 % in 1927 and 13.8 % in 1928 of the total imports through all the harbours. In the case of this harbour, too, the quantity of imports has grown, the increase being as much as 90 % in three years. The share of Turku in imports has been 17.4 % in 1926, 15.0 % in 1927 and 13.4 % in 1928. But although the percentage of imports passing through Turku has thus decreased, the actual quantity of imports has grown during the past three years by 23.3 %. The percentages for Kotka are 12.1 % in 1926, 15.1 % in 1927 and 10.1 % in 1928. The increase in the actual quantity of imports at the end of the three-year period was 33 %.

The share of the various classes of commodities in the imports passing through the most important harbours in 1928 was as follows:

	Piece-goods.	Cereals.	Coal.	Iron and machinery.	Other goods.
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
Helsinki	526	23	414	30	417
Viipuri	190	46	138	4	79
Turku	223	5	110	2	104
Kotka	82	30	136	1	86
Vaasa	65	29	28	0	42
Mäntyluoto	33	1	20	3	21
Hanko	14	3	29	1	2

Of the total piece-goods imported by sea amounting to 1,168,000 tons, the greater part or 45.0 % passed through Helsinki harbour, 16.3 % through Viipuri and 19.1 % through Turku; the share of the rest was in each case below 10 %. The greatest quantity of cereals, 31.0 %, was imported through Viipuri, 20.3 % through Kotka, 20.0 % through Vaasa and 15.5 % through Helsinki. Of the coal imported, about 40 % was received at Helsinki, the rest being divided

chiefly between Viipuri, Kotka and Turku. Of iron and machinery 55.5 % passed through Helsinki harbour, three other harbours accounting for most of the rest. The share of Helsinki in the group „other goods” was 47.2 % and Turku 11.8 %, the rest not reaching 10 %.

EXPORT TRAFFIC.

The total extent of exports, 6,622,000 metric tons, was divided amongst many more harbours than was the case with imports, and was also concentrated in quite a different way. The share, in 1928, of the harbours with exports of at least 100,000 tons, was as follows:

	1,000 tons
Viipuri and Uuras	1,359
Kotka	1,014
Maksalahti	384
Helsinki	364
Mäntyluoto and Reposaari	313
Kemi	304
Koivisto	263
Ykspila	256
Pietarsaari	223
Rauma	206
Hamina	205
Oulu	169
Valko	167
Turku	149
Raahe	124
Vaasa	123
Haukipudas	120
Hanko	117

Viipuri and Uuras occupy the first place here, with 20.2 % of the total quantity of exports to their credit. The relative share of Kotka harbour was 15.3 %. The third place already shows a big step downwards. Exports are thus largely concentrated at two harbours, Viipuri and Kotka. A still greater concentration is, however, apparent, if we view the eastern harbours as a whole. The share of the combined eastern harbours, from Kotka eastward to Koivisto, was 3,306,000 tons or 50 % of the total quantity of exports.

TIMBER EXPORTS.

The chief commodity in Finnish exports is timber. In 1928 these were divided amongst the

chief harbours in terms of thousand cubic metres as follows:

	Total timber exports, 1,000 cub. metres	Exports of sawn timber in percentage thereof.
		%
Viipuri and Uuras	1,979	61.6
Kotka	1,045	76.8
Makslähti	702	22.2
Kemi and Veitsiluoto	526	72.5
Mäntyluoto and Reposaari ..	451	95.5
Ykspila	449	22.9
Koivisto	432	32.2
Pietarsaari	395	25.8
Hamina	372	38.6
Oulu	313	71.2
Valkom	287	85.0
Rauma	257	87.7
Helsinki	238	60.0
Raahe	214	46.2
Turku	196	80.6
Vaasa	188	70.0
Haukipudas	172	71.0

It will be seen that Viipuri and Uuras occupy the first place, with 20.9 % of the country's total timber exports. The share of Viipuri town harbour in the aggregate was 246,050 m³ and Uuras harbour 1,733,256 m³, the relative share of the latter, the leading timber export harbour in Finland and at the same time in the whole of Scandinavia, in the country's total timber exports being 18.3 %. Kotka comes second with 11.5 %, and Makslähti, the third largest timber harbour in the country, next with 7.5 %. The largest timber harbour in the Gulf of Bothnia, viz., Kemi and Veitsiluoto, comes fourth with 5.5 % of the total Finnish timber exports. Mäntyluoto and Reposaari comes fifth with 4.7 %. Ykspila harbour, which has rapidly developed, is sixth, likewise with 4.7 %.

The combined exports of the eastern harbours amounted to 4,652,000 m³, equivalent to 49.2 % of the total timber exports of the country 9,454,000 m³ in all. The forest products of the provinces of Savo (Savolax) and Carelia are shipped through these harbours.

EXPORTS OF WOODPULP AND PAPER.

The exports of woodpulp and paper, too, are concentrated at a few harbours, the most important of which are given here together with the export figures for 1928:

	1,000 tons	% of total exports.
Kotka	265	36.7
Viipuri	122	16.7
Helsinki	83	11.5
Hanko	71	9.8
Rauma	51	7.0

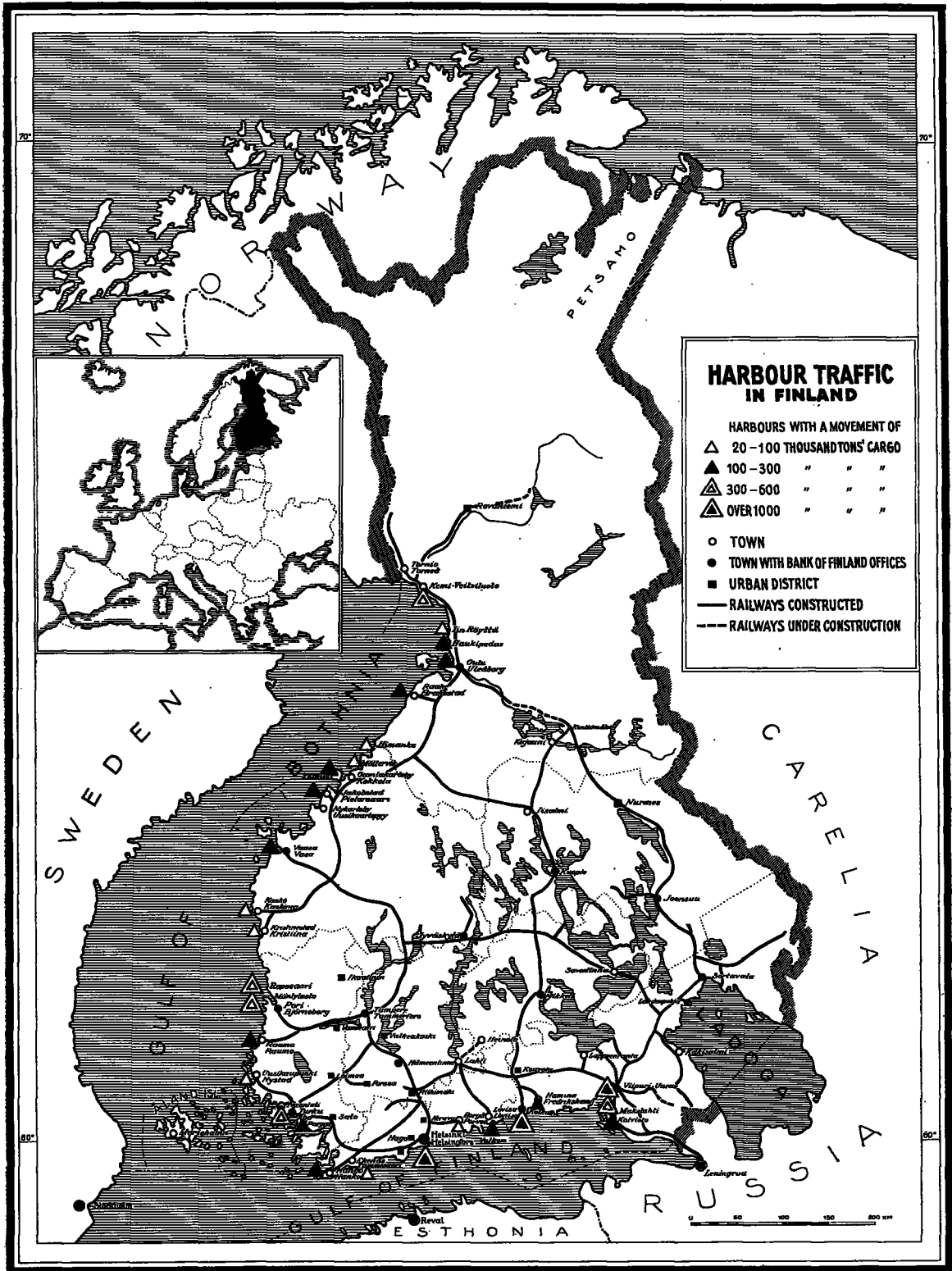
The leading export harbour for woodpulp and paper is Kotka, through which more than a third of the total exports passed. Next comes Viipuri, with the capital only third in order, and Hanko fourth. Exports through the latter harbour are concentrated in the three coldest months of the year, so that its exports are relatively large. It should be noted again that the greater part of the country's exports of woodpulp and paper, 402,000 tons or almost 56 %, is shipped abroad from the eastern harbours.

THE TOTAL MOVEMENTS OF CARGO IN THE DIFFERENT HARBOURS.

A general view of the movements of cargo caused by overseas traffic in those Finnish harbours through which cargo of at least 100,000 tons passed in 1928, is given below:

	Total movements of cargo, 1,000 tons	Of which exports, %
Viipuri and Uuras	1,816	74.9
Helsinki	1,773	20.5
Kotka	1,348	73.7
Turku	593	25.1
Mäntyluoto and Reposaari ...	391	80.0
Makslähti	384	100.0
Kemi and Veitsiluoto	328	92.4
Ykspila	294	86.7
Vaasa	288	42.7
Koivisto	282	93.2
Rauma	247	83.0
Pietarsaari	233	95.7
Hamina	206	99.5
Oulu	199	85.3
Valkom	174	96.0
Hanko	166	70.5
Raahe	128	97.0
Haukipudas	121	99.2
Pargas	102	—

It will be seen from these figures that most of the Finnish harbours are export harbours. The only actual import harbours are the capital, Helsinki, Turku and Vaasa, though in the



case of the latter exports account for almost half the total movement of goods. Of the movement in Hanko, Kotka and Viipuri a quarter, or a little more, consists of imports, while as regards the rest, exports account for the greater part, in fact often nearly all their cargo traffic.

THE LARGE FINNISH HARBOURS.

In respect of cargo traffic the group Viipuri-Uuras occupies the first place, followed by Helsinki and Kotka. The traffic in these three large harbours comprises half the total movements of goods, 9,934,000 tons, in the country's harbours. The traffic in Turku harbour, fourth in order as regards movement of goods, is not even the half of Kotka's traffic. The next in order are already a couple of hundred thousand tons below Turku and those next in order return still smaller figures.

PASSENGER PORTS.

With regard to harbour traffic, it may be pointed out that practically the sole passenger ports are those of Helsinki and Turku, passenger traffic being fairly evenly divided between them. In the other harbours there is hardly any passenger traffic at all, except that in those winters, when Helsinki is closed by ice, the Hel-

sinki passenger traffic is transferred to Hanko and partly to Turku.

Passenger traffic between Finland and foreign countries amounted in 1928 to over 102,000 persons, of whom 54,000 fell to Helsinki's share, 45,000 to that of Turku, 2,000 to that of Hanko, and a little over a thousand persons to the rest. The import harbours have thus the added duty of catering for the passenger traffic between Finland and other countries.

THE HOME CARGO TRAFFIC.

The largest harbours also serve a considerable coastal cargo traffic. Thus, in the case of Helsinki, regarding which figures for incoming freights in coastal traffic are available for the year 1927, the amount of such traffic was 380,000 tons. If we deduct from this the weight of the building materials carried for the needs of a lively, but ephemeral building activity, altogether about 260,000 tons, there still remain 120,000 tons, a figure which probably approximates to the amount of local cargoes carried in normal circumstances. Regarding coastal cargo traffic in the other harbours no information is available, but that of Viipuri can be estimated at about 75,000 tons and that of Turku, in which the transport of goods to the extensive archipelago is a considerable factor, at not less than 100,000 tons.

»ATLAS OF FINLAND»

A REVIEW OF THE WORK PUBLISHED LATELY BY THE GEOGRAPHICAL SOCIETY OF FINLAND.

BY

M. EKHOLM, M. A.

ASSISTANT STATISTICIAN TO THE BANK OF FINLAND.

GENERAL SCOPE OF THE ATLAS.

Last spring the third atlas issued by the Geographical Society of Finland was published. The work of preparing the present maps and accompanying letterpress was begun as early as 1922. Owing to thorough investigations the work extended over several years and as the greater part of the materials collected refers to the time about 1925, the volume was subsequently issued under that date. The advantage of the Atlas of Finland being available again in an up-to-date volume is best realised from the fact that the two former atlases were issued before Finland became independent, i. e. in 1910 and 1899 (see article in Bulletin No. 11, 1927).

„The Atlas of Finland, 1925” contains 38 sheets of maps with about 300 maps, cartograms and diagrams. To a great extent, of course, purely geographical, geodetical and geological maps are presented (sheets 1—12 and 19—21) and the vegetation, flora and fauna of the country are fully illustrated (sheets 13—18), while the population and language (sheets 22—23) and cultural conditions (sheets 35—38) are shown in both cartograms and diagrams. The rest of the sheets (24—34) are devoted to economic topics and deserve therefore to be dealt with here.

The actual maps are accompanied by letterpress occupying 302 pages. The introduction consists of a description of Finland's form of government by the former President of the Republic, K. J. Ståhlberg. Then follow separate reviews arranged in direct connection with the maps, the number of the map being given in the margin. In this way the employment of the atlas as a work of reference is very much facilitated. Altogether 59 specialists, each one an expert in his own sphere, have contributed

to the interesting reviews that supplement the maps, for instance by describing the progress of the country historically, too, down to 1925 and in some cases even to 1926.

The editorial committee appointed by the Geographical Society of Finland consisted of professors Rolf Witting, PH. D., J. G. Granö, PH. D., A. K. Cajander, PH. D., W. Ramsay, PH. D. (†), J. E. Rosberg, PH. D., J. J. Sederholm, PH. D., and Director-General Kyösti Haataja, LL. D. The Otava Publishing Firm in Helsinki (Helsingfors) has issued „The Atlas of Finland, 1925”, including letterpress, in the Finnish, Swedish and English languages. Its price is 650 marks (about \$ 16 ½ or £ 3. 8 s.).

ECONOMIC CONDITIONS AS ILLUSTRATED BY THE ATLAS.

The forests, that great natural wealth of Finland, are naturally given a prominent share of the maps in the Atlas of Finland. The forest area of the country, the composition of the forest stands, their regeneration etc., are illustrated by no less than 16 cartograms and 2 diagrams. The large map of the State forests deserves notice in this connection. The materials of these graphic illustrations, extremely interesting both from the point of view of forestry and national economy, are based on the survey of the forest resources of the whole country carried out in 1922—23 by means of the so-called line method of which a condensed description is given in the text. The letterpress accompanying the different forest maps is very concise, but it contains, nevertheless, the most important data regarding the forestry of Finland.

Another important national asset, water power, is also described graphically in an instructive

manner. The cartogram of the rapids, in particular, gives a clear idea of these sources of energy that are spread over the whole country. The illustration of the power plants and high tension lines provided in relation to the industrial maps is also interesting in this connection, although the large Imatra Water Power Plant with its lines is, unfortunately, not included, owing to the station not being completed until last May.

The occupation that employs the largest part of the Finnish population, i. e. agriculture, is very well illustrated in the atlas. Among other things the conditions of land ownership and the work of State supported settlement are dealt with in detail. The cartograms of the area of arable land and meadows and the yield of various cultivated plants are very instructive, while the map of the northern limits of the cultivated plants occurring in Finland also deserves special mention. The actual agricultural maps are supplemented by maps illustrative of cattlefarming and fishing. While on this subject, the maps dealing with agricultural organisations and experimental work and the instructive cartograms and diagrams referring to agricultural co-operation, which has been carried very far in Finland, deserve to be noticed.

The two sheets of maps set aside in the Atlas of Finland for industrial enterprise embrace a number of cartograms of which no less than 26 individually illustrate separate branches of industry. The predominance of the exporting industries, i. e. the sawmills, plywood, pulp and paper mills, is strikingly obvious. A comparison of the cartogram of sawmills and plywood mills with the interesting map of the floating routes shows to what a great extent the site of the mills is dependent upon the possibility of obtaining raw materials by means of floating. The former should also be compared with the cartogram in which the exports of sawn timber from Finnish ports are shown. The letterpress accompanying the industrial maps is founded on extensive statistical materials — the figures go back as

far as 1909 — and form a valuable supplement to the graphic illustrations.

Further, foreign trade is illustrated. Although data regarding exports and imports are, as a rule, devoid of immediate interest, once they no longer refer to the present moment, the clear maps showing Finland's share in the trade of the world are, nevertheless, instructive, for they can still be looked upon as symptomatic. Foreign trade and shipping are dealt with in condensed reviews in the letterpress.

Banking has also been awarded a few cartograms. The possibility of illustrating this important branch of economic activity graphically is, however, restricted. In this connection a comparison of the geographical distribution of savings banks and co-operative credit societies is of considerable interest, showing the predominance of savings banks in the southwest and of co-operative credit societies in the eastern and northern parts of the country.

Finally, the post, telegraphs and telephones as well as other traffic are given some maps in the atlas, which thus deals in a very comprehensive manner with economic life in Finland.

CONCLUDING REMARKS.

This short review should be sufficient to show that the Atlas of Finland is one of the standard works of reference about Finland. The strictly objective basis on which the work is constructed and the scientific principles observed in carrying it out form guarantees for the reliability of the information. As a source of material for research work on Finland, its nature and people, economy and communications, the Atlas of Finland is particularly valuable and everyone who wishes to become acquainted with the conditions of economic life in Finland should study it. Although the statistical data on which a work such as this is based only refer to a definite date, „The Atlas of Finland, 1925” gives a good idea of the general structure of the country as well as information on a number of facts fundamental for future development.

ITEMS.

Government timber auctions. The customary timber auctions instituted by the Department of Forestry were held recently. On September 21st—22nd 929,800 stems of standing timber and 860,600 stems for delivery were put up for sale in Oulu (Uleåborg) from the Northern and Ostrobothnian districts besides 5,000 birch stems, 34,300 cubic metres of pulpwood and 19,300 cub. m. of props. Bids were made for the greater part of the lots offered, but the level of prices was appreciably lower than last year. For standing timber the bids varied from Fmk 36:— to 7: 60 per stem compared with Fmk 44: 25 and 10: 75 last year. For parcels for delivery prices fluctuated between Fmk 5:— and 2: 70 per cub. ft. as against 4: 60 and 3: 90 last year. On September 23rd—24th altogether 136,000 stems of standing timber for sawing were offered in Tampere (Tammerfors), 293,700 stems for delivery, 4,100 deciduous tree stems and 300 cub.m. of pulpwood. Bids were made for all the lots and there was pretty lively competition. The prices bid for standing timber varied between Fmk 130:— and 18:— per stem and the bids for timber for delivery varied from Fmk 6: 95 to 3: 30 per cub. ft. On September 27th—28th 489,900 stems of standing timber were put up in Viipuri (Vi-borg), 215,300 stems for delivery and 10,800 stems of birch plywood and aspen. All the lots were bid for and the prices varied for lots of standing timber from Fmk 71:— to 20:— per stem and for timber for delivery from Fmk 5: 85 to 2: 10 per cub. ft.

The level of prices was, as a rule, considerably lower than last year, though there may have been even higher bids for a few small lots. It will only be possible to get an exact idea of the actual level of prices at these auctions, when the Department of Forestry has examined the bids and accepted or refused them.

New railways. Earlier in the year three new short railway lines of 28 km. in length alto-

gether had been opened for public traffic. On the 16th of October the Utajärvi—Vaala section of the Oulu (Uleåborg)—Nurmes line was thrown open. On November, 1st, the Rumo—Nurmes section of the same line will be ready, so that only the section Kiehimä—Vaala will be left, and this should be completed next year. The sections now completed are 34 and 43 km. long. In addition the line from Äyräpää to Valkjärvi, at present under construction, with a length of 25 km., will be declared open for traffic at the end of this year. Altogether, therefore, the net of State railways will be increased in the course of this year by 130 km.

Unemployment measures. To cope with unemployment the Diet had granted 20 million marks in addition to a sum of 15 millions which was placed at the disposal of the Government for the same purpose. With these funds various public works have been carried out. Besides, the Department of Forestry has organised relief work in different places. As these funds have now been completely exhausted, the Government requested the Diet to grant a further 8 million marks for organising such work and in addition a similar amount for railway construction in order that the whole staff of railway labourers might be kept employed till the beginning of next year.

Veitsiluoto. Work at the new Government sulphite pulp mill at Veitsiluoto is proceeding rapidly. The factory chimney, about 90 metres high, was recently completed, the installation of turbines will soon be finished and the fitting up of the other machinery in the power station is going on at present. All the installation work should be completed in the course of this year and it is intended to start the mill before the end of the winter.

Research in Wood Technics. At the end of September a guarantee society for research in wood technics was founded. The object of the society is to encourage and assist research work in wood-working and other technics closely allied thereto. To carry out its objects the society is to plan and have carried out scientific research work of public utility, assist the making of such researches in Finland and provide opportunities

for its stipendiaries to carry them on abroad, too. To the council of the society the Central Laboratory for Industry, the Central Association of Wood-working Industries, the Society for Power and Fuel Economy, the Technical College and the Forestry Research Institute each elect one member and the annual meeting of the Society five members.

THE BANK OF FINLAND MONTHLY BULLETIN

is sent free of charge to anyone wishing to receive it. Finnish booksellers are, however, allowed to sell it at a price of 2 marks per copy. Back numbers are also willingly supplied. Should extracts from the Bulletin be printed, the source should be stated. Correspondence with regard to the Bulletin should be addressed to the Bank of Finland, Statistical Department, Helsinki (Helsingfors), Finland.
