# BANK OF FINLAND Monthly Bulletin 

No 6 JUNE

1922

## FINNISH MARKET REVIEW.

## THE MONEY MARKET.

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

Home deposits in the commercial banks increased altogether by 86.6 million marks to a total of $4,009.7$ million marks. This is the first time deposits have exceeded the four milliard marks. It is certainly to be observed that a part of the aforementioned increase depends on the fact that the bi-annual interest on long term deposits is added to the capital at the end of June. But without doubt, part of the increase was substantial and it may further be noted that current accounts, which had decreased during the two preceding months, increased again in June by 17.s million marks. Loans increased, on the other hand, only by 36.8 million marks. Thus the proportion of home loans to home deposits showed a noticeable improvement.
The situation of the commercial banks with regards to other countries, which during the three preceding months had deteriorated, improved again in June. The net indebtedness to other countries decreased by 33.5 million marks. This also is probably a result of the increased briskness in export.

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

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

Certain considerable changes occurred during June in the position of the Bank of Finland. The most noticeable of these was a decrease in claims on foreign correspondents of 73.3 million marks, the figure standing now at 79.9 million marks. Treasury bills decreased by 25 .n million marks. Part of the notes accruing at the Bank through the aforementioned events came into circulation again owing to the increase in inland bills, viz. by $47 . \mathrm{s}$ million marks to a total of 755.0 million marks. The note issue went down during June by 26.9 million marks to a total of $1,373.1$ million marks. Certain of the aforementioned changes would imply a deterioration in the Bank's position. This proves, however, to be only temporary. The two first weeks of July already show a considerable increase in claims on correspondents abroad and a decrease in the bill portfolio while the note issue has declined further, owing to the increases in current accounts, to an amount smaller than that with which the year was begun.

## THE BUSINESS MARKET.

Foreign trade, both import and export, was specially lively in June. In quantity, imports were $88.0 \%$ and exports $93.9 \%$ of the import and export of the corresponding month in 1913. The value of imports was 425.9 million marks and that of exports 533.2 million marks, the preponderance of exports being thus 107.3 million marks. The trade balance, which during the four preceding months had been unfavourable, as is usual during the winter months, was thus favourable again.

Of the imports, those rising above the ordinary in amount were fondstuffs, sugar in particular, and coal, the import of which seems to be growing. The great increase in exports was due, as is easily guessed, to the growth in timber shipments. This time, the export particularly of unsawn timber was considerable, 237.100 cub. metres, which is the greatest quantity of unsawn timber ever sent out in any single month since the war. Sawn timber was exported to an amount of 140.000 standards. Chemical pulp, the import of which has been especially lively lately, declined somewhat in June.
The timber market has continued to be favourable, the amounts sold increasing in a normal degree. On the paper and wood-pulp market no change worthy of note has occurred.
The production and export of butter are on the increase again. During the present year, the export has each month exceeded the figures for the corresponding month last year. To all appearance, the export of butter for the current year should rise to a good two-thirds of the export for 1913.

Judging from the amounts of freight on the railways and the increase in railway receipts, the home markets are specially active also.

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

## THE LABOUR MARKET.

Also during June there were labour disturbances in certain quarters, more especially in the sawmill industries, and, in certain towns, in the building trades. The demands for increased wages were apparently due in some cases to the fact that the cost of living rose from the beginning of June. This was in turn due to the rise in -house-rents, which rose considerably after the restriclions on the freedom of the house-owners had been mitigated. The index-number for rent (see Table 27) rose hereby from 602.s to 753.9 and that for the total cost of living (rates and taxes omitted) chiefly on this account from $1,033 . \mathrm{s}$ to 1,055.9. But in many cases it could also be shown that the strikes were not economical in nature, but had been caused by the efforts of communists to bring about disturbances in industry. Doubtlessly, one factor in the matter was the coming elections for the Diet in the beginning of July. The strikes proved, however, generally futile and were only of short duration. Work was also in many cases kept up by labour recruited outside of the striker's circle.
In this connection, it may be mentioned that the communists, who took part in the elections for the first time as a separate party, achiewed only 26 seats out of 200 , or $13 \%$.

## STATISTICS.

## 1. - balance sheet of the bank of finland. ${ }^{1}$ )

|  | $\begin{gathered} 1921 \\ \text { Mill. Fmk } \\ \hline \end{gathered}$ | $\begin{aligned} & 1922 \\ & \text { Mill. Fmk } \end{aligned}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 31/18 | 23/6 | 30/6 | $8 / 7$ | 15/7 |
| ASSETS. |  |  |  |  |  |
| I. Gold Reserve | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| Foreign Correspondents . . . . . . . . . . . . . . . . . | 215.7 | 101.9 | 79.9 | 90.1 | 100.7 |
| II. Finnish Silver Coin | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Bonds in Foreign Currency ................. | 9.2 | 8.6 | 8.3 | 8.3 | 8.8 |
| Foreign Bank Notes and Coupons .......... | 0.8 | 0.6 | 0.9 | 1.3 | 0.8 |
| * Bills ...................... | 8.4 | 23.8 | 22.4 | 22.4 | 22.3 |
| Finnish State Bonds in Finnish Gurrency . | 525.5 | 518.6 | 518.8 | 518.6 | 518.6 |
| * Treasury Bills ........................ | 303.9 | 216.7 | 191.7 | 191.7 | 191.7 |
| Inland Bills ............... . . . . . . . . . . . . . . . | 627.5 | 765.2 | 755.0 | 751.8 | 740.1 |
| III. Lroans on Security . . . . . . . . . . . . . . . . . . . . . . | 28.4 | 45.8 | 45.8 | 45.8 | 45.8 |
| Advances on Current Accounts ............... | 1.2 | 0.4 | 0.4 | 3.4 | 3.8 |
| Bank Premises and Furniture.. | 6.0 | 6.2 | 6.2 | 6.2 | 6.2 |
| Sundry Assets | 50.5 | 66.7 | 83.8 | 70.3 | 78.0 |
| Total | 1820.2 | 1797.6 | 1755.6 | 1753.0 | 1759.4 |
| LIABILITIES. |  |  |  |  |  |
| Liabilities payable on demand: |  |  |  |  |  |
| Notes in circulation ......................... | 1356.1 | 1367.9 | 1373.1 | 1363.6 | 1342.6 |
| Drafts outstanding . . . . . . . . . . . . . . . . . . . . . . | 2.s | 3.2 | 9.9 | 2.4 | 3.6 |
| Balance of Current Accounts due to Government | 128.6 | 59.4 | 13.3 | 23.7 | 23.1 |
| * * Others | 57.9 | 73.5 | 60.5 | 67.2 | 98.0 |
| Foreign Correspondents | 12.8 | 15.2 | 15.7 | 16.0 | 15.1 |
| Sundry Accounts . . . . . . . . . . . . . . . . . . . . . . . | 36.2 | 13.1 | 14.4 | 9.4 | 6.5 |
| Earnings less Expenses . . . . . . . . . . . . . . . . . . . . . | - | 49.3 | 53.2 | 55.2 | 55.0 |
| Capital ........ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Reserve Fund .. | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| Bank Premises and Furniture | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Profits at disposal . . . . . . . . . . . . . . . . . . . . . . . . . . | 70.0 | 59.5 | 59.5 | 59.5 | 59.5 |
| Total | 1820.2 | 1797.6 | 1755.6 | 1753.0 | 1759.4 |

## 2. - NOTE ISSUE OF THE BANK OF FINLAND.

|  | 1921 | 1922 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 31/12 | 23/6 | 30/6 | $8 / 7$ | 15/7 |
| RIGHT TO ISSUE NOTES: |  |  |  |  |  |
| Gold Reserve and Foreign Correspondents ...... Additional Right of Issue | $\begin{array}{r} 258.8 \\ 1500.0 \\ \hline \end{array}$ | $\begin{array}{r} 144.5 \\ 1500.0 \\ \hline \end{array}$ | $\begin{array}{r} 122.5 \\ 1500.0 \\ \hline \end{array}$ | $\begin{array}{r} 132.7 \\ 1500.0 \\ \hline \end{array}$ | $\begin{array}{r} 143.3 \\ 1500.0 \\ \hline \end{array}$ |
| Total | 1758.3 | 1644.5 | 1622.5 | 1632.7 | 1643.3 |
| Less Insufficient Supplementary Cover ${ }^{\text {a }}$ ) . . . . . . . | 24.2 | - | 2.6 | 5.4 | 17.7 |
| Right to Issue Notes | 1734.1 | 1644.5 | 1619.9 | 1627.3 | 1625.6 |
| USED AMOUNT OF ISSUE: |  |  |  |  |  |
| Notes in circulation ............................... | 1356.1 | 1367.9 | 1373.1 | 1363.6 | 1342.6 |
| Other Liabilities payable on demand . . . . . . . . . . | 238.1 | 164.9 | 113.8 | 118.7 | 146.3 |
| Undrawn Amount of Advances on Current Accounts | 0.5 | 0.8 | 0.3 | 2.3 | 1.9 |
| Total | 1594.7 | 1533.1 | 1487.2 | 1484.6 | 1490.8 |
| NOTE RESERVE .................................... | 139.4 | 111.4 | 132.7 | 142.7 | 134.8 |
| Total | 1734.1 | 1644.5 | 1619.0 | 1627.3 | 1625.6 |

1) Made up in accordance with the regulations regarding the Bank's note issue, contained in the Law of Dec. $30,1921$. 2) Difference between 1500 million marks, being the maximum of the Bank's fiduciary note issue, and assets (above under group II) serving as supplementary cover for the note issue.
3.     - CLEARING.

| Month | Bank-Post-Bills |  | Cheques |  | Total |  |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1922 | 1921 |  |  |
|  | Number | Amount |  |  | Number | Amount | Number | Amount |  | Number | Amount |
|  |  | Mill. Fmk |  | Mill. Fmk |  | Mill. Fmk |  | Mill. Fmk |  |
| January | 31148 | 306.1 | 6501 | 332.4 | 37649 | 638.5 | 31239 | 547.8 | January |
| February | 29146 | 283.5 | 5626 | 403.1 | 34772 | 686.6 | 26983 | 479.7 | February |
| March | 35217 | 355.7 | 6977 | 372.E | 42194 | 728.3 | 29037 | 526.0 | March |
| April | 33834 | 340.2 | 6467 | 386.2 | 40301 | 726.4 | 33737 | 595.1 | April |
| May | 36445 | 344.8 | 7469 | 455.2 | 43914 | 800.0 | 35610 | 595.6 | May |
| June | 34172 | 336.7 | 7027 | 444.0 | 41199 | 780.7 | 33407 | 760.6 | June |
| July |  |  |  |  |  |  | 34711 | 737.0 | July. |
| August |  |  |  |  |  |  | 33683 | 724.3 | August |
| Septemb. |  |  |  |  |  |  | 35235 | 833.6 | Septemb. |
| October |  |  |  |  |  |  | 39487 | 872.0 | October |
| Novemb. |  |  |  |  |  |  | 39094 | 810.5 | Novemb. |
| Decemb. |  |  |  |  |  |  | 40506 | 752.0 | Decemb. |
| Total Jan.-June | 199962 | 1967.0 | 40067 | 2393.5 | 240029 | 4360.5 | $\begin{aligned} & 412729 \\ & 190013 \end{aligned}$ | $\begin{aligned} & 8234.2 \\ & 3504.8 \end{aligned}$ | Total Jan.-June |

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

| Month | London | Paris | Brussels | Berlin | Amsterdam | Basle | Stockholm | Christiania | Copenhagen | New York | Reval | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Par. | 25: 22 | 100: | 100: | 123: 46 | 208: 32 | 100: | 138: 89 | 138: 89 | 138: 89 | 5:18 | 100: | Par. |
| 1921 |  |  |  |  |  |  |  |  |  |  |  | 1921 |
| July | 221: 43 | 476: 62 | 468:19 | 80:05 | 1941 : 15 | 1016: 81 | 1283: 92 | 817: 96 | 966: 46 | 60: 88 | - | July |
| Aug. | 242: 68 | 515: 67 | 501: - | 79: 61 | 2 064: - | 1 129: 52 | 1 403: 33 | 866: 74 | 1072: - | 66: 58 | - | Aug. |
| Sept. | 263: 37 | 518: 58 | 510: 50 | 69: 65 | 2 243: 46 | 1226: 08 | $1538: 46$ | 912: 73 | 1249 : 77 | 70: 80 | - | Sept. |
| Oct. | 251: 68 | 471: 68 | 465: | 46: 64 | 2 169: 16 | 1 197: 92 | 1 496: 12 | 817: 16 | 1230: 64 | 65: 46 |  | Oct. |
| Nov. | 211: 71 | 383: 54 | 370: 23 | 21: 62 | 1861: 58 | 1 009: 96 | 1 236: 92 | 751: 23 | 985: 58 | 53: 57 | - | Nov. |
| Dec. | 218: 92 | 410: 04 | 394: 80 | 28: 07 | 1917 : 80 | 1 030: 88 | 1 291: 40 | 801: 64 | 1027: 40 | 52: 94 | - | Dec. |
| 1922 |  |  |  |  |  |  |  |  |  |  |  | 1922 |
| Jan. | 223: 78 | 431: 70 | 414:96 | 28: 09 | 1947 : 35 | 1 035: 78 | 1321: 96 | 831: 70 | 1059:35 | 53: 10 |  | Jan. |
| Febr. | 216: 84 | 432: 25 | 412: 50 | 24: 25 | 1870: 67 | 979: 71 | 1 297: 92 | 826: 17 | 1025: 25 | 49:90 | 14:49 | Febr. |
| March | 210: 94 | 433: 73 | 406: 92 | 17: 68 | 1825: 23 | 941: 50 | 1 260: 38 | 848: 58 | 1 016: 92 | 48: 29 | 14:14 | March |
| April | 229: 27 | 478: 55 | 442: 41 | 18: 13 | 1971:68 | 1016: 91 | 1 352: 50 | 964: 41 | 1 102: 50 | 52: 10 | 15: 36 | April |
| May | 212: 74 | 436: - | 399: 96 | 16:59 | 1848: 60 | 924: 96 | 1 232:80 | 883: 44 | 1 023:88 | 47: 89 | 14: 54 | May |
| June | 205:46 | 405: 83 | 380: 46 | 14:99 | $1788: 17$ | 883: 63 | 1 191: 67 | 791:88 | 1 001: 17 | 46: 21 | 14:04 | June |
| July | 208: 75 | 386: 88 | 367: 15 | 10:04 | $1820: 19$ | 902: 35 | 1 218: 27 | 783:-\| | 1011:42 | 47:06 | 14: - | July |

## 5. - HOME DEPOSITS IN THE FINNISH COMMERCIAL BANKS.

| End of Month | Current Accounts Mill. Fmk |  |  | Deposits Mill. Fmk |  |  | Total <br> Mill. Fmk |  |  |  | End of Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | Month's Movement |  |
| January | 57.8 | 919.6 | 977.7 | 595.9 | 2762.7 | 2873.7 | 653.8 | 3682.3 | 3851.4 | $+63.1$ | January |
| February | 54.8 | 926.0 | 961.2 | 599.6 | 2763.2 | 2898.7 | 654.4 | 3689.2 | 3859.9 | + 8.5 | February |
| March | 56.8 | 987.2 | 1028.1 | 603.8 | 2783.8 | 2910.8 | 660.1 | 3771.0 | 3989.0 | + 79.1 | March |
| April | 54.3 | 1004.7 | 1020.8 | 603.8 | 2802.3 | 2936.6 | 657.8 | 3807.0 | 3957.5 | + 18.5 | April |
| May | 55.8 | 1027.5 | 990.8 | 601.6 | 2808.7 | 2932.3 | 657.4 | 3836.2 | 3923.1 | - 34.4 | May |
| June | 55.6 | 1005.7 | 1008.3 | 609.7 | 2906.9 | 3001.4 | 665.8 | 3912.6 | 4009.7 | +86.6 | June |
| July | 55.7 | 1017.8 |  | 613.3 | 2916.8 |  | 669.0 | 3934.1 |  |  | July |
| August | 57.7 | 971.0 |  | 615.8 | 2890.4 |  | 673.5 | 3861.4 |  |  | August |
| Septemb. | 57.9 | 957.4 |  | 612.8 | 2863.2 |  | 670.7 | 3820.8 |  |  | Septemb. |
| October | 59.7 | 991.1 |  | 611.7 | 2835.2 |  | 671.4 | 3826.3 |  |  | October |
| Novemb. | 58.1 | 951.7 |  | 605.3 | 2797.9 |  | 663.4 | 3749.6 |  |  | Novemb. |
| Decemb. | 54.6 | 944.3 |  | 619.2 | 2844.0 |  | 673.8 | 3788.3 |  |  | Decemb. |

According to Finland's Official Statistics VII. D. Bank Statistics.
6. - HOME LOANS GRANTED BY THE FINNISH COMMERCIAL BANKS.

| End of Month | Inland Bills Mill. Fmk |  |  | Loans and Overdralta Mill. Fmk |  |  | Total Mill. Fmk |  |  | Month's Movement | End of Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |  |
| Jan. | 290.2 | 1494.1 | 1570.1 | 459.8 | 4115.8 | 4298.7 | 750.0 | 5609.9 | 5868.8 | -104.1 | Jan. |
| Febr. | 292.] | 1440.3 | 1568.0 | 465.4 | 4193.3 | 4372.8 | 757.5 | 5633.6 | 5940.8 | + 72.0 | Febr. |
| March | 294.7 | 1425.8 | 1584.1 | 467.2 | 4215.5 | 4404.5 | 761.9 | 5641.8 | 5988.6 | + 47.8 | March |
| April | 298.1 | 1480.7 | 1733.8 | 472.8 | 4304.6 | 4317.8 | 770.0 | 5785.8 | 6051.1 | + 62.5 | April |
| May | 301.4 | 1568.9 | 1834.2 | 478.5 | 4351.6 | 4266.5 | 779.9 | 5920.5 | 6100.7 | + 49.6 | May |
| June | 297.1 | 1610.5 | 1847.3 | 474.9 | 4415.8 | 4290.2 | 772.0 | 6026.8 | 6137.5 | + 36.8 | June |
| July | 289.0 | 1632.2 |  | 470.1 | 4477.3 |  | 759.1 | 6109.5 |  |  | July |
| Aug. | 281.8 | 1706.1 |  | 472.8 | 4539.7 |  | 753.6 | 6245.8 |  |  | Aug. |
| Sept. | 278.4 | 1760.1 |  | 470:5 | 4499.2 |  | 748.9 | 6259.3 |  |  | Sept. |
| Oct. | 278.1 | 1734.2 |  | 477.7 | 4502.1 |  | 755.8 | 6 236.8 |  |  | Oct. |
| Nov. | 275.0 | 1670.9 |  | 473.4 | 4421.5 |  | 749.3 | 6092.4 |  |  | Nov. |
| Dec. | 274.1 | 1584.3 |  | 469.8 | 4388.6 |  | 743.4 | 5972.9 |  |  | Dec. |

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

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

| End of Month | Credits Mill. Fmk |  |  | $\begin{gathered} \text { Debts } \\ \text { Mill. Fmk } \\ \hline \end{gathered}$ |  |  | Net Debt Mill. Fmk |  |  | Month's Movement | End of Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1920 | 1921 | 1922 | 1920 | 1921 | 1922 | 1920 | 1921 | 1922 |  |  |
| January | 157.8 | 43.1 | 96.8 | 572.0 | 823.8 | 944.8 | 414.7 | 780.5 | 848.0 | - 59.8 | January |
| February | 114.1 | 49.4 | 116.2 | 549.9 | 678.8 | 936.4 | 435.8 | 629.4 | 820.2 | - 27.8 | February. |
| March | 77.8 | - 56.3 | 86.7 | 548.6 | 738.2 | 947.8 | 471.3 | 681.9 | 860.9 | + 40.7 | March |
| April | 83.2 | 88.9 | 103.5 | 547.1 | 880.7 | 1034 -8 | 463.9 | 791.8 | 931.1 | + 70.2 | April |
| May | 88.5 | 73.5 | 84.7 | 578.8 | 987.0 | 1036.3 | 490.4 | 913.5 | 951.8 | + 20.5 | May |
| June | 101.1 | 114.7 | 81.8 | 612.2 | 1094.4 | 999.9 | 511.1 | 979.7 | 918.1 | - 33.5 | June |
| July | 88.2 | 131.1 |  | 640.2 | 1164.8 |  | 552.0 | 1033.7 |  |  | July |
| August | 90.4 | 132.2 |  | 657.1 | 1236.7 |  | 566.7 | 1104.5 |  |  | August |
| September | 119.8 | 139.2 |  | 689.2 | 1191.6 |  | 570.0 | 1052.4 |  |  | September |
| October | 168.4 | 128.2 |  | 717.1 | 1127.4 |  | 548.7 | 999.2 |  |  | October |
| November | 70.9 | 84.0 |  | 796.3 | 1039.1 |  | 725.4 | 955.1 |  |  | November |
| December | 54.6 | 86.8 |  | 795.9 | 994.6 |  | 741.8 | 907.8 |  |  | December |

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

## 8. - BANKRUPTCIES AND BILLS PROTESTED.

| Month | Bankrupteies |  |  | Bills Protented |  |  |  |  |  |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number |  |  | Number |  |  |  | Amount Fmk |  |  |  |  |
|  | 1913 | 1921 | 1922 | 1913 | 1920 | 1921 | 1922 | 1913 | 1920 | 1921 | 1922 |  |
| January | 67 | 32 | 39* | 959 | 264 | 392 | 422 | 2776572 | 1887187 | 3256407 | 4868271 | January |
| February | 62 | 40 | 33* | 762 | 197 | 299 | 398 | 2058523 | 737476 | 3991840 | 2655837 | February |
| March | 62 | 42 | 37* | 957 | 225 | 385 | 364 | 1116242 | 1091773 | 4226417 | 2482270 | March |
| April | 75 | 35 | 33* | 881 | 230 | 266 | 313 | 1182381 | 35148644 | 2998643 | 2772569 | April |
| May | 70 | 31 |  | 861 | 201 | 267 | 370* | 987084 | 1444857 | 4036483 | $3611654 *$ | May |
| June | 53 | 24 |  | 807 | 229 | 279 | 345* | 803449 | 2571764 | 2220208 | 2753 271* | June |
| July | 51 | 25 |  | 820 | 272 | 239 |  | 826565 | 2190292 | 2306286 |  | July |
| August | 62 | 13 |  | 799 | 209 | 222 |  | 1009717 | 1052384 | 4372719 |  | August |
| September | 62 | 22 |  | 838 | 197 | 290 |  | 1046329 | 1337312 | 4348018 |  | September |
| October | 66 | 26 |  | 888 | 195 | 379 |  | 830339 | 2586333 | 4434386 |  | October |
| November | 69 | 45 |  | 762 | 236 | 487 |  | 627718 | 1824859 | 7675952 |  | November |
| December | 63 | 24 |  | 942 | 397 | 468 |  | 1035126 | 3888112 | 5244829 |  | December |
| Total | 762 | 359 |  | 10276 | 2852 | 3973 |  | 14300045 | 55760993 | 49112188 |  | Total |
| Jan.-June | 389 | 204 |  | 5227 | 1346 | 1888 | 2212 | 8924251 | 42881701 | 20729998 | 19143872 | Jan.-June |

[^0]
## 9. - TURNOVER OF HELSINGFORS STOCK EXCHANGE.

| Month | Shares Mill. F'mk |  |  | Bonds Mill. Fmk | Total Mill. Fmk |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Banks | Industries | Miscellaneous |  | 1922. | 1921 | 1920 |  |
| January | 8.6 | 2.1 | 0.6 | 0.8 | 12.1 | 33.5 | 131.2 | January |
| February | 8.8 | 2.4 | 0.6 | 1.3 | 13.1 | 26.7 | 77.4 | February |
| March | 6.3 | 3.0 | 0.7 | 0.5 | 10.5 | 26.2 | 106.8 | March |
| April | 5.0 | 2.4 | 0.7 | 2.7 | 10.8 | 16.2 | 47.7 | April |
| May | 8.3 | 3.0 | 1.0 | 5.0 | 17.3 | 13.6 | 21.7 | May . |
| June | 3.7 | 1.5 | 0.4 | 0.8 | 6.4 | 9.8 | 31.7 | June |
| July |  |  |  |  |  | 7.8 | 45.5 | July |
| August |  |  |  |  |  | 11.8 | 56.8 | August |
| September | . |  |  |  |  | 18.4 | 64.1 | September |
| October |  |  |  |  |  | 29.2 | 39.4 | October |
| November |  |  |  |  |  | 15.6 | 32.2 | November |
| December |  |  |  |  |  | 9.8 | 31.9 | December |
| Jan.-June | 40.7 | 14.4 | 4.0 | 11.1 | 70.2 | $\begin{aligned} & 217.9 \\ & 126.0 \end{aligned}$ | $\begin{aligned} & 686.2 \\ & 416.5 \end{aligned}$ | Total Jan.-June |

According to figures given by the Stock Exchange Committee.

## 10. - STOCK EXCHANGE INDEX.

Average Quotations for a few of the Leading Stacks and Shares at the Helsingfors Stock Exchange

| Year | Jan. | Febr. | March | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1919 | 300 | 296 | 289 | 267 | 267 | 274 | 276 | 286 | 288 | 290 | 286 | 300 | 1919 |
| 1920 | 322 | 327 | 331 | 305 | 284 | 288 | 303 | 315 | 296 | 248 | 213 | 196 | 1920 |
| 1921 | $214 \cdot$ | 192 | 175 | 167 | 165 | 175 | 169 | 169 | 167 | 160 | 154 | 147 | 1921 |
| 1922 | 152 | 160 | 160 | 150 | 143 | 141 |  |  |  |  |  |  | 1922 |

According to figures published in the oMercators.
In calculating the above index-figures 16, since jan. 192215 , investments have been taken into account, of which 6 bank shares, 8 industrial ditto and 2 others. The value of the total number of each of the inciuded shares sold during the month has been divided by the number of shares sold, by means of which an average rate for each was obtained. These average rates were then calculated in percentages of the nominal value of the shares and added together, the total thus obtained being divided by the number of shares included in the index.

## 11. - PUBLIC DEBT OF FINLAND.

| End of Month | Forelgn Mill. Fmk |  |  | Internal Mill. Fmk |  |  | Total Mill. Fmk |  |  |  | End of Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Funded | Floating | Total | Funded | Floating | Total | Funded | Floating | Total | $\begin{gathered} \text { Month's } \\ \text { Move- } \\ \text { ment } \\ \hline \end{gathered}$ |  |
| 1921 |  |  |  |  |  |  |  |  |  |  | 1921 |
| January | 304.1 | 136.4 | 440.5 | 923.9 | 584.8 | 1508.7 | 1228.0 | 721.2 | 1949.2 | + 13.1 | January |
| February | 526.4 | 136.5 | 663.1 | 931.3 | 549.0. | 1480.8 | 1457.9 | 685.b | 2113.4 | + 194.2 | February |
| March | 540.7 | 136.5 | 677.2 | 982.3 | 534.0 | 1466 -s | 1473.0 | 670.5 | 2 143.5 | + 0.1 | March |
| April | 543.4 | 136.5 | 679.8 | 934.0 | 516.7 | 1450.7 | 1477.4 | 653.2 | 2 130.6 | - 12.9 | April |
| May | 545.1 | 136.5 | 681.6 | 934.6 | 459.9 | 1394.5 | 1479.7 | 596.4 | 2076.1 | - 54.5 | May |
| June | 547.8 | 136.5 | 683.s | 953.3 | 422.3 | 1375.6 | 1500.6 | 558.8 | 2059.4 | - 16.7 | June |
| July | 548.8 | 149.2 | 698.0 | 955.0 | 363.3 | 1318.3 | 1503.8 | 512.5 | 2016.3 | - 43.1 | July |
| August | 553.1 | 149.2 | 702.3 | 954.9 | 334.2 | 1289.1 | 1508.0 | 483.4 | 1991.4 | - 24.0 | August |
| Septemb. | 552.7 | 149.2 | 701.9 | 954.9 | 294.4 | 1249.3 | 1507.6 | 443.6 | 1951.2 | - 40.2 | Septemb. |
| October | 536.3 | 149.2 | 685.5 | 955.2 | 294.2 | 1249.4 | 1491.5 | 443.4 | 1934.9 | - 16.8 | October |
| Novemb. | 536.0 | 149.2 | 685.2 | 955.8 | 295.0 | 1250.8 | 1491.8 | 444.2 | 1936.0 | + 1.1 | Novemb. |
| $\begin{aligned} & \text { Decemb. } \\ & 1922 \end{aligned}$ | 535.5 | 156.1 | 691.6 | 955.8 | 286.3 | 1242.2 | 1491.4 | 442.4 | 1933.8 | - 2.2 | $\begin{aligned} & \text { Decemb. } \\ & 1922 \end{aligned}$ |
| January | 535.5 | 156.1 | 691.e | 955.9 | 267.8 | 1223.7 | 1491.4 | 423.9 | 1915.3 | - 18.5 | January |
| February | 535.5 | 156.1 | $691 . \mathrm{c}$ | 955.9 | 249.3 | 1205.2 | 1491.4 | 405.4 | 1896.8 | - 18.5 | February |
| March | 535.3 | 156.1 | 691.4 | 956.4 | 248.8 | 1205.0 | 1491.7 | 404.7 | 1896.4 | $-\quad 0.4$ | March |
| April | 535.3 | 156.1 | 691.4 | 956.5 | 243.3 | 1199.8 | 1491.8 | 399.4 | 1891.2 | - 5.2 | April |
| May June | 535.3 534.8 | 156.1 156.1 | 691.4 690.9 | 956.6 956.6 | 219.8 194.9 | 1175.8 1151.5 | 1491.9 1491.4 | 375.3 351.0 | 1867.2 1842.4 | $\text { — } \begin{aligned} & 24.0 \\ & 24.8 \end{aligned}$ | May <br> June |

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

## 12. - MISCELLANEOUS STATE RECEIPTS COLLECTED BY CUSTOMS.

( $000^{\prime}$ omitted.)

| Month | Import Customs and Storage Charges | Export Customs | Export Charges | Clearing Charges | Light Dues | Excise on Tobacco | Exclise on Matches | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1922 |  |  |  |  |  |  |  | 1922 |
| January | 29360 | 756 | 471 | 47 | 288 | 6269 | 381 | January |
| February | 25895 | 569 | 277 | 22 | 138 | 8911 | 2490 | February |
| March | 41805 | 1140 | 584 | 49 | 305 | 8893 | 1453 | March |
| April | 67434 | 1556 | 831 | 65 | 443 | 10485 | 1166 | April |
| May | 78198 | 2385 | 1680 | 234 | 2231 | 10801 | 966 | May |
| June | 78902 | 3935 | 3633 | 392 | 3026 | 11063 | 928 | June |
| July |  |  |  |  |  |  |  | July |
| August |  |  |  |  |  |  |  | August |
| September |  |  |  |  |  |  |  | September |
| October |  |  |  |  |  |  |  | October |
| November |  |  |  |  |  |  |  | November |
| December |  |  |  |  |  |  |  | December |
| Jan.-June 1922 | 321594 | 10341 | 7476 | 809 | 6431 | 56422 | 7384 | Jan.-June 1922 |
| - 1921 | 236657 | 5728 | 17555 | 495 | 1868 | 59556 | - | * 1921 |
| 1920 | 129.527 | 11412 | 16158 | 628 | 1883 | 74310 | - | 1920 |
| 1919 | 76307 | 2254 | - | 155 | 610 | - | - | 1919 |
| According to the Budget 1922 | - 531000 | 20000 | 10000 | 2000 | 7500 | 120000 | 15000 | According to the Budget 1922 |

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

## 13. - VALUE OF FINLAND'S IMPORTS AND EXPORTS.

| Month | Imports <br> (C. I. F. Value) Mill. Fmk |  |  | $\begin{aligned} & \text { Exports } \\ & \text { (F. O. B. Value) } \\ & \text { Mill. Fmk } \end{aligned}$ |  |  | $\begin{gathered} \text { Surplus of Imports (一) } \\ \text { or Exports }(+) \\ \text { Mill. Fmk } \end{gathered}$ |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | $1921{ }^{\text {² }}$ ) | 1922 | 1913 | $1921{ }^{\text {² }}$ ) | 1922 | 1913 | 1921 | 1922 |  |
| January | 29.8 | 194.7 | 146.1* | 13.0 | 95.4 | 146.5* | -16.9 | - 99.8 | + 0.4* | January |
| February | 26.6 | 271.1 | 116.6* | 14.2 | 64.2 | 116.8* | -12.4 | - 206.9 | - 0.s* | - February |
| March | 30.0 | 170.3 | 225.7* | 13.6 | 58.5 | 200.0* | -16.4 | - 111.8 | - 25.7* | March |
| April | 32.3 | 297.0 | 322.3* | 17.3 | 111.2 | 256.0* | -15.0 | -185.8 | -66.8* | April |
| May | 52.6 | 340.3 | 456.4* | 36.6 | 138.9 | 333.3* | -16.0 | - 201.4 | -123.1* | May |
| June | 43.0 | 332.4 | 425.9* | 49.1 | 247.5 | 533.2* | +6.1 | - 84.9 | +107.s* | June |
| July | 43.5 | 293.3 |  | 56.6 | 338.3 |  | +13.1 | + 45.8 |  | July |
| August | 40.3 | 349.7 |  | 52.1 | 393.7 |  | +11.8 | + 44.0 |  | August |
| September | 51.8 | 377.5 |  | 50.3 | 546.1 |  | -1.5 | + 168.8 |  | September |
| October | 61.4 | 366.5 |  | 42.9 | 562.s |  | -18.5 | + 195.8 |  | October |
| November | 48.4 | 285.6 |  | 32.3 | 515.4 |  | $-16.1$ | + 229.8 |  | November |
| December | 35.6 | 304.2* |  | 26.8 | 314.2* |  | - 8.8 | + 10.0* |  | December |
| Jan.-June $\begin{array}{r}\text { Total }\end{array}$ | 495.4 214.4 | $3582.8^{*}$ 1605.8 | 1 693.0* | $\begin{aligned} & 404.8 \\ & 143.8 \end{aligned}$ | $\begin{array}{\|c\|} \hline 385.7^{*} \\ 715.7 \end{array}$ | $1585.3^{*}$ | $\begin{array}{\|l} -90.6 \\ -70.6 \end{array}$ | $\left\lvert\, \begin{array}{\|l\|} \hline-196.9^{*} \\ -890.1 \end{array}\right.$ | -107.7* | Total <br> Jan.-June |

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

Export covers all goods exported from the open market, including re-exports.
Goods are notified to the Customs by their owner, who must thereby state also the value of the goods as calculated
at the boundaries of the country. Consequently, imports are given according to their C. I. F. value and exports F. O. B.

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

* See note p. 5.


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

| $\begin{aligned} & z_{0} \\ & 0 \\ & 0 \\ & \text { re } \\ & E \end{aligned}$ | Group of Goods | Imports <br> (C. I. F. Value) |  |  | Exports <br> (F. O. B. Value) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | June | January-June |  | June | January-June |  |
|  |  | 1922 | 1922 | 1921 | 1922 | 1922 | 1921 |
| 1 Live animals .............. <br> 2 Food obtained from animals <br> 3 Cereals and their products. <br> 4 Fodder and seed |  | Fmk | Fmk | Fmk | Fmk | Fmk | Fmk |
|  |  | 10073 | 44783 | 172526 | 1718150 | 3591465 | 2594501 |
|  |  | 6102376 | 30949710 | 39224233 | 42212908 | 222729717 | 122159864 |
|  |  | 82667585 | 316862128 | 306166690 | 1238868 | 6346530 | 1255923 |
|  |  | 5577477 | 28927723 | 19932244 | 425300 | 5455383 | 1677012 |
| 5 Fruit, vegetables, live plants, etc. <br> 6 Colonial produce and spices |  | 7293411 57409762 | 35615270 215655 | $\begin{array}{r}29 \\ \hline 989857\end{array}$ | 65927 | $\begin{array}{r}956475 \\ \hline\end{array}$ | 440166 |
|  |  | 57409762 | 215645466 | 357589287 | 199432 | 1325874 | 1567190 |
|  | 7 Preserves, in hermetically sealed packages ......... | 140403 | 592658 | 659735 | 213195 | 874355 | - |
|  | 8 . Beverages. | 449962 | 3586485 | 1116510 | 456 | 2223 | - |
| ${ }^{9}$ | ${ }_{9}$ Spinning materials | 31893389 | 157707505 | 86793446 | 38165 | 200145 | 8335 |
| 10 | 0 Yarns and ropes. | 10223315 | 45726438 | 26845720 | 7889 | 399599 | 83009 |
| 11 | 1 Cloth.. | 26263617 | 131383183 | 114073084 | 1245765 | 8318996 | 2300727 |
| 12 | 2 Diverse textile products | 16427336 | 62931058 | 55627804 | 835136 | 2397679 | 267238 |
| 14 | 3 Timber and wooden articles | 970311 | 5483935 | 5906883 | 351181038 | 531291029 | 198686036 |
|  | Bark, cane, branches or twigs, and articles made from same ............. | 2192138 | 9463112 | 2133727 | 184657 | 381598 | 265736 |
| 15 | Board, cardboard and paper, and articles made from same $\qquad$ | 586846 | 3316487 | 2550991 | 118706428 | 707010983 | 324875359 |
| ${ }^{16}$ | Hair, bristles, feathers together with bones, horn and other carvable goods not separately mentioned, and articles made from same | 923597 | 5127282 | 4762231 | 46488 | 795521 | 640392 |
| 17 | Hides and skins, leathergoods, furs, etc. ........ . | 13905765 | 70832820 | 34715583 | 736228 | 31982080 | 16714775 |
| 18 | Metals and metal goods .. | 42130958 | 158064048 | 171217029 | 1597519 | 5174621 | 2941856 |
| 19 | Machinery and apparatus.. | 29761362 | 87201535 | 144097141 | 774468 | 3768781 | 3308241 |
| 20 | Means of transport ...... | 7705409 | 30037954 | 32140091 | 563175 | 2037285 | 4760590 |
| 21 | Musical instruments, instruments, clocks and watches | 2407781 | 8805595 | 9873017 | 5320 | 5320 | 600 |
| 22 | Stones and earths, and articles made from same.. | 14154439 | 44616148 | 27844771 | 1885700 | 5876103 | 3869847 |
| 23. | Asphalt, tar, resins, rubber and products made from same $\qquad$ | 9826070 | 37953697 | 25135045 | 749447 | 5783488 | 4613935 |
| 24 | Oils, fats and waxes, and products of same $\qquad$ | 14890915 | 60344200 | 37563435 | 43269 | 370168 | 610473 |
| 25 | Ethers, alcohols not specifically described, ethereal olls, cosmetics, etc. .... | 580381 | 2851610 | 2061031 | 681715 | 2476110 | 798000 |
| 28 | Colours and dyes ........ | 6574286 | 25740876 | 15857186 | 109284 | 204068 | 69071 |
| 27 | Explosives, fire-arms and materials, fuses and fireworks $\qquad$ | 321950 | 1385254 | 1688316 | 4983967 | 18035264 | 6908357 |
| 28 | Chemical element and combinations thereof and drugs..................... | 17562717 | 42878553 | 24247621 | 127050 |  |  |
| 29 | Fertilizers . . . . . . . . . . . . . . . | 12594517 | 48735459 | 9403339 | , | 6695 |  |
| 30. | Literature and works of art, educational materials, office fittings; etc. . ....... . | 2080293 | 9772360 | 7421200 | 244950 | 2456441 | 1290003 |
| 31 | Articles not specified elsewhere | 2 2225637 | 10390988 | 9267024 | 244950 17930 | 2456441 358103 | 1290003 985495 |
|  | Total \|| | 425854078 | 1692974320 | \|1605 885897 | 530839824 | 1571274955 | 704284637 |
|  | Re-export ............... |  | - | - - | 2372154 | $13987221$ | 11336024 |
|  | Total ${ }^{\text {\| }}$ | 425854078 | 1692974320 | 1605885897 \| | 533211978 | 1585262176 | 715620661 |

- See note p. 5.

15.     - IMPORTS OF THE MOST IMPORTANT ARTICLES.

| Month | $\begin{aligned} & \text { Rye } \\ & \text { Tons } \end{aligned}$ |  |  | $\begin{aligned} & \text { Rye Flour } \\ & \text { Tons } \end{aligned}$ |  |  | Wheat Tons |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 903.3 | 0.3 | $1278.7 *$ | 7844.3 | - | 101.8* | 69.7 | - | - | January |
| February | 974.5 | 2279.6 | 2 402.7* | 8619.6 | 473.6 | 195.4* | 12.4 | - | 19.8* | February |
| March | 1391.5 | 1757.8 | $7669 . \mathrm{s}^{*}$ | 9524.5 | 2810.5 | 1 299.2* | 10.5 | - | 19.8* | March |
| April | 906.8 | 5346.4 | 5 100.0** | 5218.8 | 2387.4 | 1 576.0* | 23.0 | 10.8 | 2.2* | April |
| May | 6902.8 | 5108.2 | 11 494.7* | 22320.0 | 3008.3 | $1826.8{ }^{*}$ | 51.5 | 48.3 | 14.5* | May |
| June | 3696.8 | 7632.1 | $7519.8 *$ | 16 083.5 | 1279.5 | 2 155.8* | 22.2 | 48.8 | $2.4 *$ | June |
| July | 5981.5 | 49.9 |  | 14597.3 | 714.7 |  | 0.3 | 6.9 |  | July |
| August | 4769.8 | 1170.6 |  | 12149.3 | 456.3 |  | 24.3 | 10.8 |  | August |
| Septemb. | 13264.9 | 7632.8 |  | 28854.6 | 308.8 |  | 30.2 | 1.1 |  | Septemb. |
| October | 16126.1 | 6795.6 |  | 37290.8 | 891.9 |  | 66.4 | 14.0 |  | October |
| Novemb. | 9643.9 | 8697.4 |  | 24991.0 | 1073.4 |  | 28.0 | 72.9 |  | Novemb. |
| Decemb. | 1048.8 | 4905.8 |  | 8 536.8 | 2308.6 |  | 29.8 | 57.6 |  | Decemb. |
| Total | 65610.4 | 51376.0 |  | 196030.3 | 15713.0 |  | 368.3 | 270.6 |  | Total |
| Jan.-June | 14775.5 | 22 124.4 | $35464.7^{*}$ | 69610.5 | 9959.3 | $7154.8 *$ | 189.3 | 107.5 | 58.7** | Jan.-June |


| Month | Wheaten Flour and Grain of Wheat <br> Tons |  |  | Rice and Grain of RiceTons |  |  | Onts Tons |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 8858.2 | 24.3 | 2 582.4** | 16.7 | 0.2 | 119.2** | 579.2 | 38.5 | 30.5* | January |
| February | 5904.9 | 2604.8 | 2 990.0* | 53.7 | 247.1 | 299.0* | 423.8 | 40.6 | 10.0* | February |
| March | 5799.8 | 2921.2 | 4 508.1* | 20.9 | 42.1 | 774.7* | 658.3 | 87.7 | 70.5* | March |
| April | 5950.5 | 5952.1 | $6020 .{ }^{*}{ }^{*}$ | 77.5 | 3168.8 | 810.2* | 562.8 | 342.6 | 48.7* | April |
| May | 14 905.s | 6188.0 | $9046 .{ }^{*}$ | 2856.5 | 3783.6 | 1 188.5* | 796.5 | 800.7 | 115.1* | May |
| June | 10 647.a | 7056.2 | $9869.8{ }^{*}$ | 1636.4 | 2084.5 | $2369 .{ }^{*}$ | 1053.9 | 476.0 | 165.8* | June |
| July | 10 108.a | 6 144.9 |  | 2895.2 | 1039.4 |  | 589.2 | 622.1 |  | July |
| August | 6870.2 | 5435.8 |  | 1161.2 | 2786.7 |  | 370.8 | 338.4 |  | August |
| Septemb. | 8862.9 | 5402.6 |  | 1315.5 | 1205.0 |  | 428.5 | 391.9 |  | Septemb. |
| October | 16 015.s | 6025.7 |  | 2060.6 | 1231.8 |  | 799.4 | 429.0 |  | October |
| Novemb. | 15444.7 | 3537.6 |  | 185.9 | 247.5 |  | 754.8 | 540.4 |  | Novemb. |
| Decemb. | 9034.3 | 4087.4 |  | 136.4 | 612.0 |  | 386.9 | 300.s. |  | Decemb. |
| Total | 118401.8 | 55379.7 |  | 12416.5 | 16448.3 |  | 7403.0 | 4408.1 |  | Total |
| Jan.-June | 52066.4 | 24746.6 | $35017.8^{*}$ | 4661.7 | 9326.1 | $5561.0^{*}$ | 4073.8 | 1786.1 | 440.4* | Jan.-June |


| Month | Coffee Tons |  |  | Sugar(Refined and Unretined)Tons |  |  | Rlaw Tobacco Tons |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 623.9 | 651.4 | 849.9* | 3.659 .9 | 2641.0 | 214.6* | 326.4 | 18.0 | 124.9** | January |
| February | 745.4 | 1332.1 | 739.s* | 3702.2 | 7298.4 | 118.8* | 324.3 | 39.9 | 137.0* | February |
| March | 510.7 | 1398.8 | 915.6* | 3250.1 | 0.9 | 1080.8* | 284.7 | 75.7 | 136.0* | March |
| April | 719.4 | 848.a | $1977.7{ }^{*}$ | 3777.2 | 2697.6 | 2 531.5* | 353.7 | 90.0 | 131.8* | April |
| May | 1812.4 | 1561.1 | $1534 .{ }^{*}$ | 3835.0 | 3086.4 | $4355.4 *$ | 297.2 | 100.1 | 167.9** | May |
| June | 1300.0 | 983.6 | 1407.8* | 3502.3 | 5993.9 | $6551 . \mathrm{s}^{*}$ | 260.1 | 124.8 | 154.5* | June |
| July | 808.s | 1195.5 |  | 3031.3 | 5504.8 |  | 315.7 | 120.6 |  | July |
| August | 946.5 | 1049.8 |  | 3740.7 | 4418.6 |  | 320.7 | 182.3 |  | August |
| Septemb. | 1494.4 | 1025.7 |  | 5945.3 | 3025.8 |  | 295.4 | 171.8 |  | Septemb. |
| October | 1899.8 | 1139.8 |  | 5916.5 | 4455.1 |  | 462.3 | 144.8 |  | October |
| Novemb. | 1286.6 | 790.5 |  | 4397.4 | 4898.4 |  | 327.8 | 134.8 |  | Novemb. |
| Decemb. | 719.0 | 684.8 |  | 2907.5 | 10243.8 |  | 192.7 | 101.8 |  | Decemb. |
| Total Jan.-June | 12866.9 5711.8 | 12660.0 6775.0 | $7424.5 *$ | 47665.4 21726.7 | 54263.8 21718.2 | $14851.9^{*}$ | $\begin{aligned} & 3760.5 \\ & 1846.4 \end{aligned}$ | $\begin{array}{r} 1304.6 \\ 448.5 \end{array}$ | 851.2* | Total Jan.-June |

[^1]15. - IMPORTS OF THE MOST IMPORTANT ARTICLES. - Continued.

| Month | Raw Cotton Tons |  |  | Wool Tons |  |  | Oileaken Tons |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 1153.1 | 456.1 | 188.8** | 66.3 | 34.7 | 80.6* | 536.6 | 293.0 |  | January |
| February | 659.9 | 481.2 | 192.5** | 80.9 | 30.4 | 171.1* | 508.5 | 761.2 | 302.1* | February |
| March | 668.4 | 248.s | $1045 . \mathrm{s}^{*}$ | 79.1 | 26.7 | 72.8* | 707.2 | 2196.9 | 9.8* | March |
| April | 561.5 | 699.0 | 494.2* | 86.6 | 61.9 | 277.2* | 423.8 | 706.2 | 151.9* | April |
| May | 998.1 | 950.8 | 778.1* | 39.5 | 77.3 | 236.3* | 317.0 | 211.3 | 2 171.1* | May |
| June | 541.6 | 377.8 | 631.7* | 37.1 | 93.5 | 190.8* | 284.6 | 974.5 | 250.5* | June |
| July | 709.4 | 448.s |  | 57.8 | 98.5 |  | 421.1 | 719.1 |  | July |
| August | 700.2 | 837.9 |  | 61.8 | 99.4 |  | 1274.1 | 1273.0 |  | August |
| Septemb. | 214.2 | 339.0 |  | 118.4 | 55.1 |  | 1940.0 | 96.2 |  | Septemb. |
| October | 557.0 | 908. |  | 81.8 | 118.s |  | 2024.1 | 1.0 |  | October |
| Novemb. | 842.9 | 732.8 |  | 103.8 | 118.8 |  | 1698.2 | - |  | Novemb. |
| Decemb. | 847.9 | 824.9 |  | 53.8 | 55.4 |  | 1447.0 | 984.2 |  | Decemb. |
| Total | 8454.1 | 7304.9 |  | 866.4 | 870.1 |  | 11581.7 | 8216.6 |  | Total |
| Jan.-June | 4582.5 | 3213.2 | 3 330.3* | 389.б | 324.5 | 1028.8 * | 2777.2 | 5143.1 | $2885.4 *$ | Jan.-June |


| Month | Raw Hides Tons |  |  | $\begin{aligned} & \text { Conal } \\ & \text { Tons } \end{aligned}$ |  |  | Petroleum Tons |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 558.7 | 50.3 | 285.4* | 8411.6 | 3469.8 | $3282.2^{*}$ | 616.8 | - | 3.9* | January |
| February | 371.3 | 16.9 | 191.1* | 2016.6 | 5696.0 | $2794.8^{*}$ | 610.7 | - | 0.0* | February |
| March | 336.4 | 156.1 | 354.8* | 1255.0 | 74.8 | 2 448.5* | 188.0 | 10.2 | 107.7* | March |
| April | 539.5 | 165.8 | 479.2* | 15108.4 | 1350.4 | $1350.2^{*}$ | 26.8 | 19.7 | 62.8* | April |
| May | 753.1 | 601.4 | 683.8* | 81395.7 | 2325.9 | $28734.3^{*}$ | 61.6 | 94.3 | 267.3* | May |
| June | 586.4 | 62.8 | 621.1* | 76753.2 | 600.0 | 21 359.9* | 1764.6 | 50.2 | 175.1* | June |
| July | 420.0 | 196.8 |  | 78 673.s | 2155.6 |  | 7914.6 | 29.2 |  | July |
| August | 694.2 | 146.4 |  | 73 848-4 | 9124.3 |  | 9699.6 | 5696.8 |  | August |
| Septemb. | 416.8 | 259.8 |  | 99646.1 | 11 673.0 |  | 7334.4 | 4807.9 |  | Septemb. |
| October | 440.2 | 515.5 |  | 67200.5 | 8380.0 |  | 4020.4 | 114.2 |  | October |
| Novemb. | 390.8 | 430.8 |  | 43533.0 | 27270.4 |  | 3 373.s | 3649.0 |  | Novemb. |
| Decemb. | 336.2 | 285.0 |  | 37771.4 | 14 888.5 |  | 460.0 | 2420.1 |  | Decemb. |
| Jan. Total | 5843.0 3145.6 | 2887.1 1053.4 | 2 615.2* | $\begin{aligned} & 585613.7 \\ & 184940.5 \end{aligned}$ | $\begin{aligned} & 87007.9 \\ & 13516 . \end{aligned}$ | 59 970.0* | $36071.3$ | $16891.1$ | 616.8* | Total Jan.-June |

16.     - EXPORTS OF THE MOST IMPORTANT ARTICLES.

| Month | Oattle <br> Number |  |  | Butter Tons |  |  | Cheere Tons |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 674 | - | - | 864.3 | 115.0 | 385.4* | 34.7 | 79.0 | 190.4* | January |
| February | 740 | - | - | 891.9 | 15.2 | 427.4* | 115.2 | 117.1 | 220.5* | February |
| March | 520 | - | - | 1025.0 | 13.7 | 651.5* | 57.3 | 194.3 | 328.7** | March |
| April | 1060 | - | - | 1776.8 | 589.4 | $1056.7{ }^{*}$ | 95.1 | 179.8 | 321.9* | April |
| May | 1311 | 52 | 129* | 1297.1 | 650.3 | 736.8* | 67.9 | 163.8 | 252.8* | May |
| June | 875 | 474 | 304* | 1396.8 | 687.7 | 786.9** | 51.5 | 141.6 | 161.7* | June |
| July | 819 | 1376 |  | 1530.6 | 811.3 |  | 29.1 | 199.2 |  | July |
| August | 3098 | 1917 |  | 797.8 | 806.7 |  | 117.0 | 284.1 |  | August |
| Septemb. | 3185 | 1427 |  | 706.9 | 785.8 |  | 173.3 | 301.6 |  | Septemb. |
| October | 1068 | 848 |  | 813.8 | 838.2 | . | 173.0 | 155.0 |  | October |
| Novemb. | 360 | 47 |  | 711.2 | 606.4 |  | 142.4 | 121.2 |  | Novemb. |
| Decemb. | 314 | - |  | 828.1 | 545.5 |  | 167.8 | 189.8 |  | Decemb. |
| - Total | 14024 5180 | 6141 526 | 433* | $\begin{array}{r} 12640.3 \\ 7251.9 \end{array}$ | $\begin{aligned} & 6465.2 \\ & 2071.3 \end{aligned}$ | $4044 .{ }^{*}$ | $\begin{array}{r} 1224.1 \\ 421.7 \end{array}$ | $\begin{array}{r} 2125.5 \\ 874.8 \end{array}$ | $1475.4 *$ | Total Jan.-June |

* See note p. 5.

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

| Month | Ungawn TimberAll Kinds (excl. fuel)$1000 \mathrm{~m}^{\mathrm{a}}$ |  |  | $\begin{gathered} \text { Fuel (wood) } \\ 1000 \mathrm{~m}^{2} \end{gathered}$ |  |  | Sawn Timber All Kinds 1000 standards |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 3.0 | 0.9 | $7.8{ }^{*}$ | 77.8 | 0.5 | 14.4* | 2.8 | 1.8 | 6.4* | January |
| February | 5.1 | 0.0 | 0.8* | 73.7 | 0.0 | 9.7* | 0.0 | 0.7 | $0.2 *$ | February |
| March | 4.2 | 0.0 | 5.7* | 57.3 | 0.1 | 27.8* | 0.2 | 0.1 | 0.6 | March |
| April | 24.0 | 7.2 | 7.1* | 74.6 | 3.0 | 57.5* | 3.0 | 3.5 | $0.3^{*}$ | April |
| May | 307.7 | 23.0 | 61.9** | 80.1 | 18.2 | $47.8 *$ | 73.8 | 17.0 | 41.8* | May |
| June | 487.6 | 43.7 | 237.1* | 111.8 | 35.6 | 47.4* | 137.0 | 45.1 | 240.0* | June |
| July | 610.0 | 100.4 |  | 123.3 | 40.9 |  | 161.8 | 67.8 |  | July |
| August | 721.8 | 226.2 |  | 128.5 | 51.0 |  | 144.7 | 76.2 |  | August |
| Septemb. | 604.5 | 182.0 |  | 102.2 | 67.4 |  | 139.7 | 118.9 |  | Septemb. |
| October | 295.4 | 150.4 |  | 118.1 | 43.8 |  | 121.6 | 154.8 |  | October |
| Novemb. | 81.0 | 74.1 |  | 60.1 | 8.8 |  | 79.7 | 121.2 |  | Novemb. |
| Decemb. | 18.e | 25.8 |  | 58.9 | 1.2 |  | 38.7 | 37.1 |  | Decemb. |
| Total Jan.-June | 3162.9 831.6 | 833.8 74.8 | 320.4* | 1066.4 475.3 | 270.3 57.4 | 204.1* | 903.0 216.8 | $\begin{array}{r} 643.0 \\ 68.0 \end{array}$ | 189.3* | Total Jan.-June |

1 standard sawn timber $=4.672 \mathrm{~m}^{8}$.

| Month | Dealsi) <br> 1000 standards |  |  | $\begin{aligned} & \text { Battensi) } \\ & 1000 \text { standards } \end{aligned}$ |  |  | $\begin{gathered} \text { Boards1) } \\ 1000 \text { standards } \end{gathered}$ |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 0.6 | 0.1 | $0 .{ }^{\text {\% }}$ | 0.5 | 0.8 | 3.5* | 1.6 | 0.5 | 1.2* | January |
| February | - | 0.0 | 0.0* | - | 0.1 | $0.1 *$ | 0.0 | 0.2 | $0.1 *$ | February |
| March | - | - | 0.0* | - | - | 0.0 * | 0.1 | 0.1 | $0.1 *$ | March |
| April | 0.1 | 0.1 | $0.0{ }^{*}$ | 0.4 | 1.8 | 0.1* | 1.8 | 1.8 | $0.1 *$ | April |
| May | 6.0 | 1.8 | 4.8* | 17.3 | 4.9 | 17.0* | 34.5 | 7.5 | 15.7* | May |
| June | 19.6 | 4.6 | 18.6* | 41.1 | 14.7 | 47.1* | 57.7 | 21.6 | 60.2* | June |
| July | 20.2 | 9.3 |  | 49.9 | 23.2 |  | 74.7 | 29.1 |  | July |
| August | 17.5 | 10.5 |  | 43.4 | 27.2 |  | 63.9 | 32.0 |  | August |
| Septemb. | 15.4 | 17.7 |  | 41.3 | 44.6 |  | 62.1 | 47.5 |  | Septemb. |
| October | 16.8 | 19.7 |  | 33.0 | 56.7 |  | 51.6 | 66.3 |  | October |
| Novemb. | 9.1 | 14.4 |  | 20.0 | 46.4 |  | 37.8 | 54.1 |  | Novemb. |
| Decemb. | 4.5 | 4.8 |  | 9.4 | 15.2 |  | 19.2 | 14.0 |  | Decemb. |
| Total | 109.8 | 82.7 |  | 256.3 | 235.1 |  | 405.0 | 274.7 |  | Total |
| Jan.-June | 26.3 | 6.6 | 24.1* | 59.3 | 21.8 | 67.8* | 95.7 | 31.7 | 77.4* | Jan.-June |


| Month | $\begin{gathered} \text { Bobbing } \\ \text { Tons } \end{gathered}$ |  |  | Mechanteal Pulp ${ }^{2}$ ) Tons |  |  | $\begin{gathered} \text { Chomical Pulp }{ }^{2} \text { ) } \\ \text { Tons } \end{gathered}$ |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 847.8 | 335.6 | 449.6* | 1227.4 | 1392.1 | $2880.8^{*}$ | 2867 -5 | 5598.5 | 5 071.1* | January |
| February | 989.2 | 476.8 | 160.1* | 1262.7 | 1185.5 | 2 203.s* | 4534.1 | 3666.4 | 6 266.8* | February |
| March | 1030.4 | 384.7 | 682.0** | 1987.3 | 380.8 | $1413 .{ }^{*}$ | 2071.5 | 2170.9 | $12590.7 *$ | March |
| April | 885.2 | 491.2 | 693.5** | 1888.4 | 711.1 | $2361 .{ }^{*}$ | 4250.1 | 334.1 | 18 689.7* | April |
| May | 1130.2 | 228.9 | 388.9** | 10418.4 | 1059.0 | $5801.2^{*}$ | 11017.5 | 2766.9 | 25 205.0* | May |
| June | 916.0 | 104.3 | 450.4* | 3555.8 | 1136.8 | 5 246.9* | 4276.5 | 7883.3 | 15 633.1* | June |
| July | 944.8 | 238.7 |  | 6485.6 | 1501.9 |  | 4694.7 | 10 108.s |  | July |
| August | 796.7 | 315.0 |  | 2868.9 | 6527.6 |  | 7695.0 | 8166.0 |  | August |
| Septemb. | 979.8 | 86.4 |  | 3965.4 | 8067.5 |  | 7594.4 | 21307.6 |  | Septemb. |
| October | 723.1 | 408.1 |  | 2872.8 | 6970.2 |  | 4890.8 | 16373.5 |  | October |
| Novemb. | 1143.1 | 432.6 |  | 2725.6 | 13981.2 |  | 8126.1 | 27 237.2 |  | Novemb. |
| Decemb. | 935.7 | 467.a |  | 5657.1 | 7446.9 |  | 13460.8 | 17188.8 |  | Decemb. |
| Total | $11322.0$ | $3969.7$ |  | $44915.4$ | $50360.1$ |  | $75479.0$ | $122802.1$ |  | Total |
| Jan.-June | $5798.8$ | $2021.6$ | $2824.5{ }^{*}$ | $20340.0$ | $5864.8$ | 19 907.6* | $29017.2$ | $22420.1$ | 83 457.4* | Jan.-June |

[^2]16. - EXPORTS OF THE MOST IMPORTANT ARTICLES. - Continued.

| Month | Cardboard Tons |  |  | $\begin{gathered} \text { Paper } \\ \text { All Kinds } \\ \text { Tons } \end{gathered}$ |  |  | Printing-paper Tons |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 2480.7 | 310.9 | $1725 .{ }^{*}$ | 10793.7 | 8153.6 | 11 609.2** | 5301.7 | 6856.5 | 8 144.s* | January |
| February | 4128.8 | 987.3 | 462-5** | 10878.1 | 5355.7 | $9704 . \mathrm{a}^{*}$ | 5143.4 | 4231.5 | $6315.7 *$ | February |
| March | 4371.3 | 506.0 | $1474.5{ }^{*}$ | 10906.9 | 6847.4 | $19373.8{ }^{*}$ | 5159.1 | 5507.6 | 13 375.6* | March |
| April | 3832.1 | 298.2 | $2330.2^{*}$ | 11408.4 | 9323.8 | 22 198.1* | 5520.8 | 7737.7 | $13979.8{ }^{*}$ | April |
| May | 5572.7 | 573.4 | $2498.0^{*}$ | 11998.3 | 6188.7 | $17433.0 *$ | 5773.4 | 4853.8 | 11 915.2* | May |
| June | 4540.3 | 402.7 | $2027 .{ }^{*}$ | 12196.6 | 7524.5 | 14 010.7* | 5805.2 | 5956.8 | $9335.8{ }^{*}$ | June |
| July | 4812.5 | 869.4 |  | 13 094.0 | 13259.3 |  | 5736.8 | 10594.5 |  | July |
| August | 4824.8 | 608.6 |  | 12551.8 | 10215.7 |  | 5399.0 | 7252.2 |  | August |
| Septemb. | 5206.0 | 1078.0 |  | 12 676.5 | 15 171.0 |  | 6155.0 | 9.937 .3 |  | Septemb. |
| October | 4718.1 | 1746.1 |  | 12719.9 | 13048.0 |  | 6585.0 | 9047.1 |  | October |
| Novemb. | 4809.7 | 1768.3 |  | 13515.0 | 16571.1 |  | 6977.7 | 10 291.5 |  | Novemb. |
| Decemb. | 4454.8 | 3 394.3 |  | 12895.3 | 16583.0 |  | 6509.0 | 11629.2 |  | Decemb. |
| Total | 53751.3 | 12543.2 |  | 145634.6 | 128 241.6 |  | 70066.1 | 93895.5 |  | Total |
| Jan.-June | 24 925.9 | 3 078.5 | $10518.8 *$ | 68182.0 | 43393.5 | 94 329.1** | 32 703.8 | 35143.7 | $63065.9 *$ | Jan.-June |

## 17. - FINLAND'S FOREIGN TRADE WITH VARIOUS COUNTRIES.

| Country | (C. I. F. Value) |  |  |  | (F. Exports |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | January-June |  | $\begin{aligned} & 1921 \\ & \text { Whole } \\ & \text { Year } \end{aligned}$ | $\begin{gathered} \text { 1910—1913 } \\ \text { Average } \end{gathered}$ | January-June |  | $\begin{aligned} & 1921 \\ & \text { Whole } \\ & \text { Year } \end{aligned}$ | $\begin{gathered} 1910-1913 \\ \text { Average } \end{gathered}$ |
| Europe: | Mill. Fmk | \% | \% | \% | Mill. Fmk | \% | \% | \% |
| Belgium | 27.9 | 1.8 | 0.8 | 1.5 | 91.0 | 5.7 | 5.5 | 4.7 |
| Denmark .......... | 82.8 | 4.9 | 6.8 | 5.5 | 83.4 | 5.2 | 4.9 | 3.4 |
| Esthonia. | 24.2 | 1.4 | 0.8 | - ${ }^{1}$ | 38.8 | 2.4 | 1.5 | - ${ }^{1}$ |
| France | 29.4 | 1.8 | 1.2 | 1.5 | 146.8 | 9.8 | 6.4 | 8.8 |
| Germany .......... | 589.1 | 34.8 | 33.7 | 40.3 | 184.2 | 11.8 | 10.9 | 13.4 |
| Great Britain ...... | 366.2 | 21.6 | 19.8 | 13.2 | 518.0 | 32.7 | 33.8 | 27.8 |
| Latvia............ . | 2.7 | 0.8 | 0.1 | -1) | 3.2 | 0.2 | 0.3 | - ${ }^{1}$ |
| Lithuania .......... | 1.6 | 0.1 | 0.1 | - ${ }^{1}$ | 0.1 | 0.0 | - 0.1 | - ${ }^{1}$ |
| Netherlands ........ | 86.4 | 5.1 | 5.3 | 1.9 | 86.5 | 5.4 | 8.0 | 4.6 |
| Norway . ............ | 20.8 | 1.2 | 0.7 | 0.1 | 5.7 | 0.4 | 1.2 | 0.3 |
| Poland ............ | 7.4 | 0.4 | 0.1 | - ${ }^{1}$ | 1.0 | 0.1 | 0.1 | - ${ }^{1}$ |
| Russia............... | 7.8 | 0.5 | 0.0 | 29.0 | 83.8 | 5.8 | 1.6 | 28.1 |
| Sweden . . . . . . . . . | 105.2 | 6.2 | 7.5 | 5.2 | 144.1 | 9.1 | 11.9 | 4.2 |
| Spain . . . . . . . . . . . . | 3.4 | 0.2 | 0.2 | 0.5 | 7.4 | 0.5 | 1.2 | 3.0 |
| Other European countries $\qquad$ | 29.2 | 1.7 | 1.7 | 0.7 | 10.6 | 0.7 | 0.4 | 0.2 |
| Total Europe | 1384.1 | 81.8 | 78.8 | 99.4 | 1404.6 | 88.8 | 87.8 | 97.9 |
| Asia. . | 1.5 | 0.1 | 1.1 | 0.4 | 10.4 | 0.7 | 1.0 | 0.2 |
| Africa | 0.2 | 0.0 | 0.0 | 0.0 | 18.3 | 1.1 | 2.0 | 1.8 |
| United States ...... | 243.8 | 14.4 | 17.0 | 0.0 | 119.9 | 7.6 | 8.1 | 0.0 |
| Other States of North America | 3.8 | 0.3 | 0.3 | 0.0 | 1.8 | $0.1{ }^{\circ}$ | 0.0 | 0.0 |
| South America ..... | 59.4 | 3.5 | 2.8 | 0.8 | 29.4 | 1.8 | 1.0 | 0.0 |
| Australia .......... | 0.2 | 0.0 | 0.0 | 0.0 | 1.4 | 0.1 | 0.1 | 0.0 |
| Grand Total | 1693.0 | 100.0 | 100.0 | 100.0 | 1585.3 | 100.0 | 100.0 | 100.0 |

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

1) Included in figures for Russia.

* See note p. 5.

18.     - IMPORT-PRICE INDEX.

| $\begin{gathered} \text { Year } \\ \text { Month } \end{gathered}$ | Total <br> All Kinds | Of whioh |  |  |  | The Three Last Groups divided aecording to their Degree of finish |  |  | Year Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Foodstuffs | Clothing | Agricultural Necessities | Other Goods | $\underset{\text { terials }}{\text { Raw Ma- }}$ | Machinery | Industrialproducts |  |
| 1913 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1913 |
| 1914 | 106 | 111 | 99 | 101 | 101 | 100 | 99 | 100 | 1914 |
| 1915 | 162 | 177 | 130 | 135 | 179 | - 147 | 153 | 134 | 1915 |
| 1916 | 227 | 236 | 186 | 149 | 311 | 219 | 263 | 207 | 1916 |
| 1917 | 519 | 647 | 405 | 370 | 526 | 451 | 360 | 465 | 1917 |
| 1918 | 741 | 881 | 600 | 420 | 661 | 647 | 459 | 642 | 1918 |
| 1919 | 755 | 896 | 608 | 600 | 659 | 681 | 487 | 593 | 1919 |
| 1920 | 1387 | 1751 | 1108 | 934 | 1268 | 1364 | 931 | 827 | 1920 |
| 1921 | 1329 | 1556 | 1080 | 1087 | 1109 | 1129 | 1005 | 1048 | 1921 |
| 1922 |  |  |  |  |  |  |  |  | 1922 |
| January | 1083 | 1213 | 1062 | 927 | 922 | 1010 | 1034 | 916 | January |
| Jan.-Febr. | 1101 | 1227 | 1010 | 1083 | 960 | 1019 | 996 | 937 | Jan.-Febr. |
| Jan.-March | 1121 | 1253 | 1051 | 968 | 937 | 1028 | . 946 | 985 | Jan.-March |
| Jan.-Apri | 1107 | 1211 | 1054 | 1072 | 925 | 1045 | 823. | 1020 | Jan.-April |
| Jan.-May | 1132 | 1247 | 1065 | 1130 | 958 | 1069 | $816{ }^{\circ}$ | 1033 | Jan.-May |
| Jan.-June | 1130 | 1238 | 1078 | 1108 | 951 | 1070 | 802 | 1060 | Jan.-June |

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

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

| Year <br> Month | Total All Kinds | Otwhich |  |  |  |  |  |  |  | Year <br> Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Fresh Meat | Butter | Cheese | Timber 1) | Bobbins | Mechanical Pulp | Chemical Pulp | Paper |  |
| 1913 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1913 |
| 1914 | 103 | 100 | 103 | 105 | 105 | 100 | 100 | 102 | 102 | 1914 |
| 1915 | 134 | 130 | 146 | 140 | 128 | 105 | 111 | 147 | 141 | 1915 |
| 1916 | 254 | 238 | 185 | 290 | 186 | 146 | 278 | 290 | 352 | 1916 |
| 1917 | 375 | 560 | 349 | 600 | 317 | 218 | 389 | 342 | 452 | 1917 |
| 1918 | 415 | 276 | 620 | 501 | 222 | 705 | 508 | 399 | 483 | 1918 |
| 1919 | 441 | 790 | 725 | 1079 | 375 | 1258 | 571 | 500 | 611 | 1919 |
| 1920 | 1053 | 805 | 916 | 1250 | 886 | 1755 | 1710 | 1742 | 1185 | 1920 |
| 1921 | 1213 | 1008 | 1636 | 1489 | 996 | 2186 | 2202 | 1502 | 1433 | 1921 |
| 1922 |  |  |  |  |  |  |  |  |  | 1922 |
| January | 1364 | 973 | 1137 | 1225 | 846 | 2239 | 2253 | 1575 | 1403 | January |
| Jan.-Febr. | 1374 | 971 | 1169 | 1212 | 876 | 2194 | 2187 | 1581 | 1395 | Jan.-Febr. |
| Jan.-March | 1359 | 987 | 1167 | 1179 | 954 | 1990 | 2228 | 1514 | 1318 | Jan.-March |
| Jan.-April | 1367 | 992 | 1234 | 1167 | 1073 | 2041 | 2212 | 1472 | 1297 | Jan.-April |
| Jan.-May | 1325 | 998 | 1239 | 1152 | 1105 | 1986 | 2219 | 1433 | 1276 | Jan.-May |
| Jan.-June | 1260 | 1002 | 1270 | 1131 | 1084 | 1946 | 2223 | 1440 | 1272 | Jan.-June |

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

1) The figures in this column differ for the years' 1915-1920 from those earlier published here, bobbins having been taken into consideration before, when calculating this index-number.
20.     - INDEX NUMBER FOR QUANTITIES OF IMPORTS AND EXPORTS. ${ }^{1}$ )

| Year | Jan. | Febr. | March | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Whole | $\begin{aligned} & \text { Jan.- } \\ & \text { June } \end{aligned}$ | Year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Imports |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 |
| 1920 | 66.1 | 73.4 | 68.8 | 72.8 | 36.8 | 56.7 | 55.0 | 47.9 | 47.8 | 34.2 | 48.5 | 61.9 | 52.8 | 59.0 | 1920 |
| 1921 | 44.1 | 56.2 | 58.5 | 79.8 | 59.0 | 53.2 | 49.0 | 62.7 | 49.6 | 42.5 | 45.8 | 71.8 | 54.4 | 57.6 | 1921 |
| 1922 | 45.3 | 39.1 | 65.7 | 92.0 | 73.8 | 88.0 |  |  |  |  |  |  |  | 69.8 | 1922 |
| Exports |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 |
| 1920 | 29.3 | 67.9 | 43.0 | 57.5 | 62.2 | 67.2 | 69.0 | 85.0 | 63.7 | 73.9 | 78.7 | 71.2 | 68.9 | 59.2 | 1920 |
| 1921 | 45.0 | 28.7 | 36.3 | 47.2 | 30.4 | 39.6 | 50.2 | 60.7 | 90.8 | 119.6 | 138.4 | 87.7 | 68.8 | 37.3 | 1921 |
| 1922 \| | 82.4 | 59.2 | 109.9 | 106.7 | 73.3 | 93.8 |  |  |  |  |  |  |  | 87.5 | 1922 |

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

## 21. - VALUE OF IMPORTS AND EXPORTS IN 1913-1922 DIVIDED ACCORDING TO THE PURPOSE OF THE G00DS. ${ }^{1}$ )

| Year and Month | Imports |  |  |  | Exports |  |  |  | Year and Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Goods for Production |  | Goods for Consumption |  | Goods for Production |  | Goods for Consumption |  |  |
|  | Raw <br> Material | Machinery | Industrial products | Foodstuffs | $\begin{gathered} \text { Raw } \\ \text { Material } \\ \hline \end{gathered}$ | Machinery | Industrial products | Foodstuff |  |
|  | \% | \% | \% | \% | \% | \% | \% | \% |  |
| 1913 | 32.1 | 10.5 | 18.4 | - 39.0 | 67.4 | 3.0 | 16.1 | 13.5 | 1913 |
| 1914 | 29.3 | 10.9 | 17.2 | 42.6 | 55.4 | 3.8 | 23.4 | 17.4 | 1914 |
| 1915 | 34.5 | 5.4 | 11.4 | 48.7 | 27.3 | 6.5 | 41.8 | 24.4 | 1915 |
| 1916 | 38.9 | 7.6 | 14.8 | 38.9 | 26.5 | 6.8 | 53.7 | 13.0 | 1916 |
| 1917 | 33.7 | 8.8 | 28.2 | 29.8 | 26.1 | 4.8 | 58.2 | 10.8 | 1917 |
| 1918 | 19.1 | 8.8 | 20.8 | 52.3 | 55.9 | 2.8 | 34.0 | 7.3 | 1918 |
| 1919 | 27.7 | 98 | 18.7 | 44.2 | 76.8 | 1.3 | 19.8 | 2.4 | 1919 |
| 1920 | 34.4 | 15.6 | 17.8 | 32.2 | 73.8 | 0.7 | 22.8 | 2.6 | 1920 |
| 1921 | 23.2 | 13.8 | 19.0 | 44.0 | 62.0 | 1.8 | 22.4 | 14.0 | 1921 |
| 1922 |  |  |  |  |  |  |  |  | 1922 |
| Jan.-May | 33.1 | 11.2 | 20.4 | 35.3 | 42.0 | 0.8 | 39.4 | 17.8 | Jan.-May |
| Jan.-June | 32.7 | 11.6 | 19.9 | 35.8 | 53.9 | 0.8 | 30.8 | 14.5 | Jan.-June |
| June | 31.6 | 12.8 | 18.3 | 37.3 | 77.3 | 0.7 | 13.9 | 8.1 | June |

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

## 22. - FOREIGN SHIPPING.

| Month | Arrivals |  |  |  |  |  | Saillings |  |  |  |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | With Cargo |  | In Ballast |  | Total |  | With Cargo |  | In Ballast |  | Total |  |  |
|  | $\begin{array}{\|l} \hline \text { of Ves- } \\ \text { sels } \\ \hline \end{array}$ | $\begin{aligned} & \hline \text { Reg. } \\ & \text { tons } \\ & \text { Net. } \end{aligned}$ | $\underset{\text { sels }}{\mathrm{of}} \mathrm{Ves}$ | Reg. tons Net. | $\left\|\begin{array}{c} \text { of Ves- } \\ \text { sels } \end{array}\right\|$ | Reg. tons Net. | $\begin{gathered} \text { of Ves- } \\ \text { sels } \end{gathered}$ | Reg. tons Net. | $\begin{array}{\|c} \left\lvert\, \begin{array}{c} \text { of Ves- } \\ \text { sels } \end{array}\right. \\ \hline \end{array}$ | Reg. tons Net. | $\begin{gathered} \text { of Ves- } \\ \text { sels } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Reg. } \\ & \text { tons } \\ & \text { Not } \end{aligned}$ Net. |  |
| 1922 |  |  |  |  |  |  |  |  |  |  |  |  | 1922 |
| January | 76 | 45613 | 29 | 14246 | 105 | 59859 | 86 | 50857 | 8 | 1848 | 94 | 52705 | January |
| February | 28 | 20243 | 2 | 495 | 30 | 20738 | 37 | 25273 | 2 | 371 | 39 | 25644 | February |
| March | 81 | 55217 | 15 | 10906 | 96 | 66123 | 70 | 44742 | 2 | 2667 | 72 | 47409 | March |
| April | 98 | 66778 | 12 | 12501 | 110 | 79279 | 95 | 62536 | 12 | 11157 | 107 | 73693 | April |
| May | 433 | 135036 | 422 | 190471 | 855 | 325507 | 502 | 169086 | 146 | 19395 | 648 | 188481 | May |
| June | 443 | 133663 | 719 | 281394 | 1162 | 415057 | 997 | 413390 | 203 | 23452 | 1200 | 436842 | June |
| July |  |  |  |  |  |  |  |  |  |  |  |  | July |
| August |  |  |  |  |  |  |  |  |  |  |  |  | August |
| Septemb. |  |  |  |  |  |  |  |  |  |  |  |  | Septemb. |
| October |  |  |  |  |  |  |  |  |  |  |  |  | October Novemb. |
| Decemb. |  |  |  |  |  |  |  |  |  |  |  |  | Decemb. |
| Jan.-June | 1159 | 456550 | 1199 | 510013 | $\left.{ }^{1}\right) 2358$ | 966563 | 1787 | 765884 | 373 | 58890 | )2160 | 824774 | Jan.-June |
| ${ }^{1}$ ) of whi | $\begin{array}{r} 1 \text { Ch } 902 \\ 1027 \end{array}$ | $\text { Finnish } v$ | ressels an | $\begin{aligned} & \text { nd } 1456 \\ & \\ & \\ & \hline 1133 \end{aligned}$ | foreign | vessels. |  |  |  |  |  |  |  |

23.     - GOODS TRAFFIC ON STATE RAILWAYS.

| Month | Welght of Goods Tranmported 1000 Tons |  |  | Axie-kilometres of Goods-waggons 1000 Km |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 380.5 | 299.s | 417.8* | 28329.9 | 32822.0 | $34805 .{ }^{*}{ }^{*}$ | January |
| February | 441.2 | 411.5 | 509.1* | 29660.4 | 32947.7 | $36089 .{ }^{\text {* }}$ | February |
| March | 412.5 | 407.3 | 599.4* | 30621.8 | 33.932 .8 | 41 512.3* | March |
| April | 405.0 | 372.6 | 538.4* | 32382.0 | 37675.0 | $43127 . \mathrm{s}^{*}$ | April |
| May | 426.5 | 327.4 | 582.1** | 31081.9 | 34173.1 | $45497 .{ }^{*}$ | May |
| June | 443.8 | 406.4 |  | 30875.9 | 37 325.1 |  | June |
| July | 470.3 | 425.8 |  | 34244.8 | 39644.9 |  | July |
| August | 430.5 | 439.8 |  | 33736.0 | 39458.0 |  | August |
| September | 437.2 | 510.3 |  | 32.322 .7 | 41 192.0 |  | September |
| October | 443.5 | 498.4 |  | 32265. ¢ | 41831.0 |  | October |
| November | 340. | 472.8 |  | 28852.9 | $37817.1$ |  | November |
| December | 302.1 | 407.9* |  | 28503.9 | 34507.0 |  | December |
| $\begin{aligned} & \text { Total } \\ & \text { Jan.-May } \end{aligned}$ | $\begin{aligned} & 4933.5 \\ & 2065.7 \end{aligned}$ | $\begin{aligned} & 4979 . \mathrm{a}^{*} \\ & 1818.3 \end{aligned}$ | 2 646.8* | $\begin{aligned} & 372877 . \mathrm{s} \\ & 152075 . \mathrm{s} \end{aligned}$ | $\begin{aligned} & 443327.5 \\ & 171551.5 \end{aligned}$ | $201032.6 *$ | Total Jan.-May |

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

| End of Month | $\begin{gathered} \text { Loeomotives } \\ \text { Number } \end{gathered}$ |  |  | Goodg-waggons Number |  |  | End of Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1920 | 1921 | 1922 | 1920 | 1921 | 1922 |  |
| January | 445 | 475 | 452 | 12601 | 13314 | 15069 | January |
| February | 457 | 487 | 458 | 12642 | 13869 | 15271 | February |
| March | 454 | 478 | 454 | 12734 | 13949 | 15271 | March |
| April | 446 | 477 | 459 | 12601 | 14020 | 15537 | April |
| May | 458 | 485 | 460 | 12622 | 14091 | 15617 | May |
| June | 476 | 500 |  | 12662 | 14151 |  | June |
| July | 473 | 500 |  | 12720 | 14151 |  | July |
| August | 466 | 500 |  | 12808 | 14169 |  | August |
| September | 468 | 504 |  | 12896 | 14226 |  | September |
| October | 472 | 504 |  | 13030 | 14376 |  | October |
| November | 474 | 467 |  | 13137 | 14376 |  | November |
| December | 486 | 453 |  | 13233 | 14482 |  | December |
| Averag | 465 | 486 |  | 12807 | 14098 |  | Average |

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

| Month | Revenue (less Re-imbursements) Mill. Fmk |  |  | Regular Expenditure Mill. Fmk |  |  | Tratfic Profit Mill, Fmk |  |  | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 | 1913 | 1921 | 1922 |  |
| January | 4.8 | 28.7* | 36.0* | - | 26.3* | 34.0* | - | 2.4* | 2.6* | January |
| February | 4.2 | 29.0* | $35.1{ }^{*}$ |  | $28.1{ }^{*}$ | 33.4* | - | $0.9 *$ | 1.7** | February |
| March | 4.8 | 35.s* | $46.3{ }^{\text {* }}$ | - | 26.5* | 32.8* | . | $9.0{ }^{*}$ | 13.5** | March |
| April | 4.8 | 37.s* | 49.0** | - | 41.6*. | 32.4* | - | -4.8* | 16.6* | April |
| May | 5.2 | 34.4* | 48.6* | - | 31.5** | 33.2* | - | 2.9** | 15.4* | May |
| June | 5.8 | 40.8* |  |  | 37.8* |  | - | 3.0* |  | June |
| July | 5.7 | 40.0* |  | - | 32.0* |  | - | 8.0* |  | July |
| August | 5.5 | 41.0* |  | - | 33.s* |  | - | 7.a* |  | August |
| Septemb. | 5.8 | 44.1* |  | - | 34.1* |  | - | 10.0** |  | Septemb. |
| October | 4.7 | 42.1* |  |  | 33.s* |  | - | 8.8* |  | October |
| Novemb. | 4.0 | 38.9** |  | - | 33.2** |  | - | 5.7* |  | Novemb. |
| Decemb. | 4.8 | 39.7* |  | - | 37.5* |  |  | 2.8* |  | Decemb. |
| Jan.-May | $\begin{aligned} & 58.8 \\ & 23.2 \end{aligned}$ | $\begin{aligned} & 451.5^{*} \\ & 164.0^{*} \end{aligned}$ | 215.6* | $40.3$ | $\begin{aligned} & 395.7^{*} \\ & 154.0^{*} \end{aligned}$ | 165.8** | 18.3 | $\begin{aligned} & 55 . \mathrm{s}^{*} \\ & 10 . \mathrm{g}^{*} \end{aligned}$ | 49.8* | Total Jan-.May |

According to Finnish State Railway's Preliminary Monthly Statistics.

* See note p. 5 .

26.     - NUMBER OF UNEMPLOYED.

| End of Month | 1920 |  |  | 1921 |  |  | 1922 |  |  |  | End of Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Men | Women | Total | Men | Women | Total | Men | Women | Total | Month's Movement |  |
| January | 1316 | 982 | 2298 | 2207 | 1166 | 3373 | 2607 | 978 | 3585 | +1458 | January |
| February | 948 | 809 | 1757 | 2569 | 1269 | 3838 | 2613 | 874 | 3487 | - 98 | February |
| March | 853 | 727 | 1580 | 2006 | 921 | 2927 | 2089 | 772 | 2861 | - 626 | March |
| April | 527 | 587 | 1114 | 1142 | 881 | 2023 | 1487 | 773 | 2260 | - 601 | April |
| May | 319 | 335 | 654 | 849 | 520 | 1369 | 609 | 463 | 1072 | -1188 | May |
| June | 276 | 199 | 475 | 606 | 331 | 937 | 514 | 285 | 799 | - 273 | June |
| July | 272 | 270 | 542 | 610 | 423 | 1033 |  |  |  |  | July |
| August | 275 | 474 | 749 | 735 | 623 | 1358 |  |  |  |  | August |
| Septemb. | 343 | 494 | 837 | 708 | 661 | 1369 |  |  |  |  | Septemb |
| October | 440 | 594 | 1034 | 919 | 774 | 1693 |  |  |  |  | October |
| Novemb. | 586 | 696 | 1282 | 1590 | 762 | 2352 |  |  |  |  | Novemb. |
| Decemb. | 899 | 555 | 1454 | 1605 | 522 | 2127 |  |  |  |  | Decemb. |

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

| Month | Foodstuffs | Clothing | Rents | Fuel | Tobacco | Newspaper | Total Cost of Living | Month's Movement | Month |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{1914}$ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | - | July |
| 1920 |  |  |  |  |  |  |  |  | 1920 |
| June | 926.8 | 1022.2 | 325.2 | 1188.4 | 1343.6 | 400.8 | 867.5 | + 13.7 | June |
| July | 981.8 | 1048.7 | 335.2 | 1231.7 | 1362.1 | 400.8 | 911.0 | + 43.5 | July |
| August | 1089.8 | 1073.6 | 356.0 | 1294.8 | 1367.0 | 400.8 | 990.5 | + 79.5 | August |
| September | 1134.8 | 1099.7 | 373.6 | 1374.0 | 1370.5 | 400.8 | 1029.9 | + 39.4 | September |
| October | 1172.4 | 1133.8 | 380.5 | 1431.3 | 1377.6 | 400.8 | 1063.2 | + 33.8 | October |
| November | 1205.6 | 1132.8 | 381.8 | 1443.0 | 1376.0 | 400.8 | 1085.4 | + 22.8 | November |
| December | 1232 .8 | 1126.4 | 388.5 | 1442.7 | 1383.7 | 400.8 | 1 103.2 | + 17.8 | December |
| 1921 |  |  |  |  |  |  |  |  | 1921 |
| January | 1173.9 | 1089.1 | 406.7 | 1414.1 | 1393.8 | 817.5 | 1065.4 | - 37.8 | January |
| Fobruary | 1106.8 | $1059 . \mathrm{a}$ | 414.4 | 1291.5 | 1387.5 | 817.5 | 1012.7 | - 52.8 | February |
| March | 1136.6 | 1030.8 | 417.7 | 1265.9 | 1361.5 | 817.5 | 1027.1 | + 14.4 | March |
| April | 1106.9 | 1021.6 | 419.3 | 1291.0 | 1322.3 | 817.5 | 1007.5 | - 19.6 | April |
| May | 1117.3 | 1017.1 | 419.8 | 1268.8 | 1311.4 | 817.5 | 1012.4 | + 4.9 | May |
| June | 1146.5 | 1031.8 | 534.6 | 1283.2 | 1315.6 | 817.5 | 1050.5 | + 38.1 | June |
| July | 1277 .8 | 1038.2 | 552.6 | 1278.4 | $1313 . \mathrm{s}$ | 817.5 | 1139.0 | + 88.5 | July |
| August | 1323.8 | 1058.6 | 575.8 | 1275.4 | 1313.0 | 817.5 | 1174.9 | + 35.9 | August |
| September | 1359.1 | 1090.2 | 595.5 | 1263.8 | 1316.2 | 817.5 | 1204.6 | +29.7 | September |
| October | 1356.9 | 1106.0 | 602.s | 1307.5 | 1311.4 | 817.5 | 1208.8 | + 3.7 | October |
| November | 1286.0 | 1 104.0 | 602.5 | 1302.4 | 1298.8 | 817.5 | 1161.5 | - 46.8 | November |
| December | 1198.4 | 1106.7 | 602.a | 1262.1 | 1293. | 817.5 | 1102.6 | -58.9 | December |
| 1922 |  |  |  |  |  |  |  |  | 1922 |
| January | 1123.2 | 1096.2 | 602.5 | 1263.2 | 1292.1 | 1079.4 | 1055.1 | - 47.5 | January |
| February | 1115.0 | 1097.6 | 602.6 | 1254.0 | 1288.2 | 1079.4 | 1049.4 | $-5.7$ | February |
| March | 1093.0 | 1098.1 | 602.5 | 1244.2 | 1287.3 | 1079.4 | 1034.7 | - 14.7 | March |
| April | 1088.6 | 1 102.2 | 602.5 | 1248.4 | 1285.3 | 1079.4 | 1032.6 | - 2.1 | April |
| May | 1091.6 | 1098.2 | 602.5 | 1251.0 | 1262.5 . | 1079.4 | 1033.8 | + 1.2 | May |
| June | 1090.9 | 1098.9 | 753.9 | 1275.0 | 1268.3 . | 1079.4 | 1055.9 | + 22.1 | June |

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

# WATER POWER OF FINLAND. 

BY
hUGO MALMI, engineer in chief of the state water power office.

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

Without preceding regulation of the flow the rapids of Finland can be calculated to yield about 2.s million useful turbine horsepower. By means of suitable regulation of the profile of the watercourses and quantity of flow this figure can, however, be increased greatly in the future.

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

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

The amount of the developed water powers until 1922 may be valued at a total of about 225,000 effective horsepower, of which amount about
one half is taken up by the needs of the woodpulp and paper industries. The water power developments have hitherto been of a small or medium size. The larger sources of power in the land are in the main still untouched, owing to the fact that the demand for power in the country has until now been comparatively small. Of these larger sources of power the most important are the Vuoksi, Kymi, Kumo and the Oulujoki rivers.

The stream named Vuoksi is situated in SouthEast Finland and forms the outlet for the gathered waters of the great inland Lake Saima into Lake Ladoga. The total fall of this stream is 71 metres, its upper reach in particular, the fall of which is 64 metres and the average flow 570 cub. metres per second, being a specially favourable large source of water power. The Lake Saima, the area of which is about 5,000 sq. kilometres, renders the flow of Vuoksi so even that even at low water the amount of water averages 480 cub. metres per second and at flood time does not rise above an average of 670 cub, metres per second. The large size of Lake Saima makes it possible to increase, by artificial regulation of the flow, the amount of power obtained from Vuoksi to a total of 700,000 horsepower.
The Kymi river is situated in central SouthFinland, the waters of Lake Päijänne flowing through it into the Gulf of Finland. The total fall of this stream is 78 metres and the average flow 302 cub. metres per second. The Kumo river, in West-Finland, flows into the Gulf of Bothnia. Its total fall is 76 metres and the average flow 196 cab. metres per second. The amount of power which could suitably be obtained from

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

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

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

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

Through private initiative also, the development of the waterpowers of the larger rivershas recently been commenced. The power from these rapids will be used for industrial purposes, the satisfying of the demand for electricity of the municipalities and for the needs of the smaller and home industries. The programme for the future comprises also the electrification of certain railway lines of the country. As especially the energy
from Imatra will be comparatively cheap, it is to be expected that the electrochemical industry, which has already obtained a foothold in the country, will further develop and enlist still more considerable portions of the power obtained from the rapids in its service.

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

## SUBSCRIPTION TO THE BULLETIN.

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[^0]:    The bankruptcy reports for 1913 and 1920 give the number of bankruptcy proceedings during the respective months, in which the first notice calling together the creditors has been published in the official Gazette. Those for 1922 have been sent in to the Central Statistical Office by the various Courts and refer to the number of bankruptcy petitions for the respective months which will lead in due course to actual bankruptcy.

    Bills protested according to figures published in the sReport of Bills Protested in Finlands.

    * Preliminary figures subject to minor alterations.

[^1]:    * See note p. 5.

[^2]:    * See note p. 5. - 1) The figures representing these wood goods are included in the sum representing sawn timber (all kinds) given above. - 2) Dry weight.

