## CANADA

## DEPARTMENT OF TRADE AND COMMERCE

 DOMINION BUREAU OF STATISTICS
## ANNUAL REPORT

 of
## 1. BANK DEBITS TO INDIVIDUAL ACCOUNTS

## 2. NOTES ON THE EQUATION OF EXCHANGE

 IN THE POST-WAR PERIOD.1936

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Minister of Irade and Commerce.

OTTAWA

Bank Debits Compared with Four other Econornic Factors


## DOMIMOA BUREAU OF STATISTICS - OTTAMA



BANK DEBITS TO INDIVIDOAL ACCOUNTS
or
Amount of Chaques Charged against Bank Accounts at the Clearing House Centres in 1956.

Bank debits in 1936 showed a gain of 13.9 pocos over the preceding year, reflecting revivial in business and industrial operations and a higher level of conmodity and speculative prices. The total in 1936 was $\$ 35,929$ milifion compared with $\$ 31_{9}, 546$ million in 1935, a gain of no less than $\$ 4,383$ million.

The increase in bank debits was paralleled by gains in business and speculation. The index of the physical volume of business was 8.4 p.c. greater in the year under review. Wholasale prices showed considerable gain in the last half of 1936, the index for December being 9.6 p.c. greater than in the same month of the preceding year. The number of shares traded on the Montreal and Toronto stock exchanges rose from $15,032,000$ to $26,185,000$ a gain of no less than 73.9 p.c. The index of comon stock prices averaged 27.2 poc. higher in 1936 than in 1955.

Each of the five economic areas recorded gains in 1936 over the preceding year. Only four of the thirty twn centres showed declines in this comparison.

## Debits by Areas.

The gain in the Maritime provinces was 9.8 p.cos increases being shown in each of the three centres. Quebec province showed a gain of 21.8 p.c. The increase in Montreal was $22.2 p_{0} c_{\circ,}$ while Quebec and Sherbrooke also showed marked gains. An increase of 13.7 p.c. was recorded in Ontario. The debits of Toronto were 14.3 p.c. greater and each of the other centres in the province showed gains in this comparison.

Six of the ten centres in the Prairie Provinces showed gains in 1936 over the preceding year. A gain of 0.6 poc. was show in Winnipeg, while the increase for the economic area was 0.9 puc. Gains were shown in each of the three centres of British Columbia, the increases in Vancouver and in the province being 24.7 puco and 24.1 poc. respectively.

Comparison of Debits in 1936 with the Thirtaen Years from 1924 to 1936 .
Bank debits in 1936 were only exceeded in four years since records were first complied in 1924, From 1927 to 1930 inclusive, the highest levels for the period of observatfon were reached. The total for the year under review was not so high as in the four years of the prosperity phase of the last economic cycle, but exceaded all other years from 1924 to the present. The gain in 1936 over 1932, the low point of the depression, was no less than $36,5 p_{0} c$. The totals for Canada and for the economic areas and the percentage of the other years to 1936 are presented in table 6, page 11.

## Bank Clearings in 1936

Bank clearings at $\$ 19,203$ million in 1936 compared with $\$ 16,927$ million in the preceding year, showed an increase of 13.5 p,c. This percentage increase was slightly less than that shown for bank debits. The ratio of bank debits to bank clearings was 187.1 in 1936 compared with $1864 \mathrm{p}, \mathrm{c}$. in $1955_{\text {, and }} 159.9 \mathrm{p}, \mathrm{c}$. in $1924_{,}$ the first year for which bank debits are available. (See table 4, page 4).

1. BARK DEBITS TO INDIVIDUAL ACCOUNTS AT THE CLEARIMG HOUSE CENTRES OF CANADA, 1933 to 1936.

| Province and Clearing House Centres | 1933 | 1934 | 1935 | 1936 |
| :---: | :---: | :---: | :---: | :---: |
|  | \$ | \$ | \$ | \$ |
| Maritime Provinces |  |  |  |  |
| Halifax | 254,222,616 | 275,948, 590 | 310,052,273 | 341,775,552 |
| Moncton | 72,568,809 | 87,228,253 | $90,680,025$ | 98,641,301 |
| Saint John | 154,222,107 | 171,074,214 | 173,320,562 | 189,985,161 |
| Total - Maritime Provinces | 481,013,532 | 534,251,057 | 574,052,860 | 630,402,014 |
| cuabec |  |  |  |  |
| Montreal | 7,943,786,599 | 8,834,691,435 | 8,307,134,410 | 10,150,016,770 |
| Quebec | 558,047,475 | $550,663,976$ | 606,964,150 | 717,146,205 |
| Sherbrooke | 65,236, 186 | $64,354,455$ | $63,430,463$ | 71,484,756 |
| Total - Quebec | 8,567,070,260 | 9,449,709,866 | 8,977,529,023 | 10,938,647,731 |
| Untario |  |  |  |  |
| Brantford | 80,401,856 | 84,950,018 | 94,186, 017 | 103,221,469 |
| Chatham | 64,147,944 | 71,122, 708 | 79,902,107 | 100,652,126 |
| Fort William | 47,791,570 | $49,838,324$ | 50,202,917 | 63,348,734 |
| Hamilton | 460,728,640 | 528,307,959 | $559,388,191$ | $601,358,570$ |
| Kingston | 51,473,716 | 52,719,962 | $55,634,971$ | 67,867,438 |
| Kitchener | 93,144,698 | 108,804,353 | 114,191,829 | 128,018,389 |
| London | 299,150,638 | 334,741,204 | 362,317,629 | $420,889,625$ |
| Ottawa | 1,339,009,715 | 1,914,296,966 | 1,444,156, 227 | 1,469,292,434 |
| Peterborough | 49,090,223 | $53,767,240$ | 60, 223,193 | $68,620,664$ |
| Sarnia | 86,377,931 | 78,158,895 | $69,145,537$ | $74,160,267$ |
| Sudbury | 41,886,025 | 48,991,202 | 55,597,151 | $72,735,265$ |
| Toronto | 10,221,687,968 | 11,389,321,892 | $10,642,516,427$ | 12,168,836,487 |
| Windsor | 192,566,981 | 204,483, 372 | 289,364,280 | $439,678,369$ |
| Total - Ontario | 13,027,437,905 | 14,919,504,095 | $13,876,626,476$ | 15,778,679,837 |
| Prairie Provinces |  |  |  |  |
| Brandon | 27,285,657 | 26,885,135 | 25,666,690 | 28,313,991 |
| Calgary | 557,891,735 | $526,966,099$ | $616,831,075$ | 636,145,594 |
| Edmonton | 366,409,278 | 382,681,968 | $400,418,426$ | 387, 386,725 |
| Lethbridge | 36,911,296 | $42,671,124$ | $48,945,714$ | $45,780,043$ |
| Medicine Hat | 21,505,530 | $25,377,296$ | 27,322,542 | 26,842,729 |
| Mose Jaw | 48,696,759 | $51,316,748$ | 53,874,399 | $77,376,584$ |
| Prince Albert | 17,844,842 | 21, 106,682 | 24,434,064 | 25,976,662 |
| Regina | 439,593,195 | 475,031,328 | 505,052,792 | $495,621,447$ |
| Saskatoon | :100,029,783 | 102, 963, 180 | $110,058,112$ | 121,553, 190 |
| Winnipeg ........... | $4,798,187,549$ | $44_{2} 682.240{ }_{2} 160$ | 40632.791 .950 | $4,660,521,712$ |
| Total - Prairie Provinces | 6,414,353, 624 | 6,337,239,720 | $6,445,395,764$ | 6,505,518,677 |
| British Columbia |  |  |  |  |
| New Westminster | 47,215,108 | 52,3:30,693 | 59,819, 150 | $70,089{ }_{y} 850$ |
| Vancouver | 1,207,251,145 | 1,320,856,775 | 1,349,924,217 | 1,682,786,803 |
| Victoria | 257,125,920 | $252.720,716$ | 262.718.851 | 322, 481,831. |
| Total British Columbia | 1,491,590, 173 | $1.625,968,184$ | $1,672,462,218$ | $2,075,358,484$ |
| GRAND TOTAL FOR CANADA | 29,981,465,494 | 32,866,672,922 | $31,546,066,341$ | 35,928, 606,743 |

2. BANK DEBITS TO INDIVIDUAL ACCOUNTS AT THE CLEARING HOUSE CENTRES OF CANADA, 1935 and 1936.

| Province and Olearing House Centres | 1936 | 1935 | Increase (+) | $\begin{aligned} & \text { Percentage } \\ & \text { of } 1936 \text { to } \\ & 1935 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | \$ | \$ | \$ | \% |
| Maritime Provinces |  |  |  |  |
| Halifax | 341,775,552 | 310,052,273 | $+31,723,279$ | 110.2 |
| Moncton | 98,641,301 | 90,680,025 | + 7,961,276 | 108.8 |
| Saint John | $189,985,161$ | $173,320,562$ | $+\quad 16,664,599$ | 109.6 |
| Total - Maritime Provinces | 630,402,014 | 574,052,860 | $\pm 56,349,154$ | 109.8 |
| Quebec |  |  |  |  |
| Montreal | 10,150,016,770 | 8,307, 134,410 | +1,842,882,360 | 122.2 |
| Quebec | 717,146, 205 | 606,964, 150 | + 110,182,055 | 118.2 |
| Sherbrooke | 71,484,756 | $63,430,463$ | + 8,054,293 | 112.7 |
| Total - Quebec .......... | 10,938,647,731 | 8,977,529,023 | +1,961,118,708 | 121.8 |
| Ontario |  |  |  |  |
| Brantford | 103,221,469 | 94,186,017 | $+\quad 9,035852$ | 109.6 |
| Chatham | 100,652,126 | 79,902,107 | + 20,750,019 | 126.0 |
| Fort William | $63,348,734$ | 50,202,917 | + 13,145,817 | 126.2 |
| Hamilton | 601,358,570 | 559,388,191 | + 41,970,379 | 107.5 |
| Kingston | 67,867,438 | 55,634,971 | $+\quad 12,232,467$ | 122.0 |
| Kitchener | 128,018,389 | 114,191,829 | + 13,826,560 | 112.1 |
| London | 420,889, 625 | 362,317,629 | $+\quad 58,571,996$ | 116.2 |
| Ottawa | 1,469,292,434 | $19444,156,227$ | + 25,136,207 | 101.7 |
| Peterborough | $68,620,664$ | 60,023,193 | + 8,597,471 | 114.3 |
| Sarnia | $74,160,267$ | 69,145,537 | + 5,014,730 | 107.8 |
| Sudbury | $72,735,265$ | 55,597,151 | + 17,138,114 | 130.8 |
| Toronto | 12,168,836,487 | $10,642,516,427$ | +1,526,320,060 | 114.3 |
| Windsor | $439,678,369$ | 289,364,280 | 150,314,089 | 151.9 |
| Total - Ontario ......... | 15,778,679,837 | $13,876,626,476$ | +1,902, 053,361 | 113.7 |
| Prairle Provinces |  |  |  |  |
| Brandon | 28,313,991 | 25,666,690 | + 2,647,301 | 110.3 |
| Calgary | 636,145,594 | 616,831,075 | + 19,314,519 | 103.1 |
| Edmonton | 387,386,725 | 400,418,426 | - 13,031,701 | 96.7 |
| Lethbridge | 45,780, 043 | 48,945,714 | - 3,165,671 | 93.5 |
| Medicine Hat | 26,842,729 | 27,322,542 | - 479,813 | 98.2 |
| Moose Jaw | 77,376,584 | $53,874,399$ | $+23,502,185$ | 143.6 |
| Prince Albert | 25,976,662 | 24,434,064 | + 1,542,598 | 106.3 |
| Regina | $495,621,447$ | 505,052,792 | - 9,431,345 | 98.1 |
| Saskatoon | 121,553, 190 | 110,058,112 | + 11,495,078 | 110.4 |
| Winnipeg | $4,660,521,712$ | 4,632,791,950 | + 27,729,762 | 100.6 |
| Total - Prairie Provinces | 6,505,518,677 | $6,445,395,764$ | $+60,122,913$ | 100.9 |
| British Columbia |  |  |  |  |
| New Westminster | 70,089,850 | 59,819,150 | + 10,270,700 | 117.2 |
| Vancouver | 1,682,786,803 | 1,349,924,217 | + 332,862,586 | 124.7 |
| Victoria | 822,481,851 | 282,718,851 | $+\quad 59,762,980$ | 122.7 |
| Total - British Columbia | 2,075,358,484 | $18672,462,218$ | + 402,896,266 | 124.1 |
| GRAND TOTAL FOR CANADA | 35,928,606,743 | 31, 546,066,341 | +4,382,540,402 | 113.9 |

3. IHDEX NUMBERS OF BANK DEBITS IN CAHADA BASED ON THE AVERAGE FOR 1926 EQUALLIMG 100 CORRECTED FOR SEASONAL VARTATION ACCORDING TO EXPERIENCE WITE BANK DEBITS OVER A TERU OF YEARS

| Year and Month | Montreal | Toronto | Winni.peg | Vancouver | Canada |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1936 |  |  |  |  |  |
| January | 109.2 | 142.1 | 176.3 | 103.8 | 122.1 |
| February | 123.1 | 153.9 | 121.5 | 115.0 | 128.9 |
| March | 110.7 | 137.1 | 103.6 | 104.0 | 111.3 |
| April | 119.1 | 128.6 | 134.7 | 110.1 | 115.5 |
| May | 100.7 | 138.2 | 125.1 | 99.3 | 109.8 |
| June | 103.8 | 159.9 | 143.4 | 108.0 | 125.8 |
| July | 105.0 | 140.9 | 130.1 | 118.2 | 119.8 |
| August | 103.7 | 142.0 | 124.6 | 104.7 | 116.2 |
| September | 115,6 | 173.2 | 162.4 | 114.0 | 132.9 |
| October | 103.1 | 139.2 | 119.7 | 99,5 | 114.5 |
| November | 118.6 | 157.4 | 68,9 | 109.1 | 110.1 |
| December | 124.3 | 164.7 | 75.0 | 120.1 | 117.8 |

4. BANK DEBTTS BANK CLEARINGS AND PERCENTAGE OF BANK DEBITS TO CLEARINGS BY MONTHS DURTMG 1955 and 1956。

| Year and Month | Bank Debits | Bank Clearings | Percentage of Bank Debits to Bank Clearings |
| :---: | :---: | :---: | :---: |
| 1935 |  |  |  |
| January | 2,682,050,218 | 1,310,304,189 | 204.7 |
| February | 2, $089,041,085$ | 1.037.724,210 | 201,3 |
| March | 2, $235,799,502$ | 1. 229.732 .193 | 181.8 |
| April | 2,366,725,309 | 1, 251, 670, 271 | 189.1 |
| May | 3,132, 208,619 | 1, 653,725,663 | 189.4 |
| June | 2,710,310,988 | $1.561 .158,1.36$ | 1736 |
| July | 2,545,101.969 | 1,379,923,041 | 184.4 |
| August | 2,497,602,532 | $1,376,004,172$ | 181.5 |
| September | 2,425,895,084 | 1. $333,825,078$ | 181.9 |
| October | 2,907, 516, 367 | 1, 582, 531 , 382 | 183,7 |
| November | $3,021,511,117$ | 1,694,940, 637 | 178.3 |
| Decermber | 2,932, 303,651 | $1,515,947,097$ | 193, 4 |
| Total | 31, 546, 066 , 341 | $16,927,486,069$ | 186.4 |
| 1936 |  |  |  |
| January | 2,992,068, 239 | $1,551,155,045$ | 192.9 |
| February | 2,767 : 449,324 | 1.461,938,711 | 189.3 |
| March | 2,598,810,717 | 1.389, 908,584 | 187.0 |
| April | 2,773,756, 280 | $1.434,904,772$ | 193.3 |
| May | 2,979, 198,678 | 1.674,833,322 | 177.9 |
| June | 3,135, 569,349 | 1.627,349,610 | 192.7 |
| July | 2,893,657,924 | 1, $560,946,336$ | 185.4 |
| August | 2,619,152,500 | $1,456,361 ., 476$ | 179,8 |
| September | 3, 133, 564, 540 | $1,710,895,147$ | 183.2 |
| October | 3, $328,225,661$ | 1,837,016,459 | 181.2 |
| November | 3,302, 561,645 | 1,735, 144,337 | 188.4 |
| December | 3, 404, 591,886 | $1,762,072,773$ | 193.2 |
| Total | $35,928,606,743$ | 19, 202, 526,572 | 187.1 |

5. BAMK DEBITS AT THE CLLARTMG HOUSE CENTRES OF CANADA. BI CLEARIMG CENTRIS AND BY MONTHS DURTNG 1935 ADD 1980.
6. MARTTTME PROVINCES

| Year and Month | Halifax | Moncton | Saint John | Total for Maritime Provinces |
| :---: | :---: | :---: | :---: | :---: |
| 1935 | ¢ | \$ | \$ | \$ |
| January ...... | $23,080,058$ | 6,709,757 | 13,719,079 | $43,508,894$ |
| February ..... | 19, 227,997 | 6,674,428 | $11.056,345$ | 36,858,770 |
| March posou.o | 20,765,510 | $6,4288_{5} 81$ | 12.691 .493 | $39,885,834$ |
| April | $22,463,448$ | 6,799,679 | 13.175 .723 | 42, 438,850 |
| May ........n. | 23, 394,644 | $7 \mathrm{y}, 645,163$ | 16,448,671 | $47,488,478$ |
| June ........ | 26,198,178 | 8,846,134 | 17,599,957 | $52,644,269$ |
| July nuooens | 29,096,286 | -7858 243 | 14,540,660 | 51, 505, 189 |
| August | 26, 152,347 | 7.520,202 | $14.813,953$ | 48,486,502 |
| September | $25,611,089$ | $7,294,482$ | 13,812,321 | 46,717,892 |
| October | 27. 992.067 | 7 952. 361 | 14.740621 | $50,685,049$ |
| November | 37, 895,868 | 8,342,193 | 16.281 .704 | 62,519,765 |
| December | $28,274,781$ | 8,598,552 | $14,440,035$ | $51,313,368$ |
| Total | 3102052273 | $90,680,025$ | $173,320,562$ | 574,052,860 |
| 1936 |  |  |  |  |
| Januery moso | 29,544, 171 | 7 y 258, 272 | 13,5562760 | 50,3598203 |
| February | 21,681,479 | $7,276,313$ | 14,869,159 | 43,826,951 |
| March | $25,199,379$ | 7,131, 472 | 14,077,707 | $46,408,558$ |
| Apris 1 | 24,197,755 | 8,125,136 | $15.485,206$ | $47,808.097$ |
| May | 26.569 .428 | 8,338,76? | 16,009,887 | 50,918,082 |
| June | $35,121,997$ | 8,785,146 | 17.737,082 | $61,644,225$ |
| July ........ | 30,600,577 | $8,230,469$ | $15,291,686$ | $54,122,732$ |
| August | 24.706.004 | 7.867 .058 | 15,355,310 | $47,928,372$ |
| September ... | 27,092,080 | 8, 829.786 | 15,792,016 | $51,713,882$ |
| October | 29, 181,016 | 8,582,384 | $18,107,639$ | 55,871,039 |
| November | 37, 568,062 | 8,545,908 | 17.033 .619 | 63,147 789 |
| December .0.0. | $30,313,604$ | $9.670 \quad 590$ | $16,668,890$ | $56,653,084$ |
| Totail - | 342795552 | 98,641 301 | 189985161 | $630,402,014$ |

2. PROVINCE OF QUEBEC

| Fear and Month | Montreal | Quebec | Sherbrooke | Total for Quebec Province |
| :---: | :---: | :---: | :---: | :---: |
| 1935 | \$ | \$ | \$ | \$ |
| January | 725.833,501. | 50.272 .027 | 5.166 .721 | 781,272,249 |
| February | 536. 907.725 | 31,766,093 | 3.949,734 | 572. 623,552 |
| March | 657.913 .258 | $63,290,566$ | 4.598:610 | $705,802.434$ |
| Apriz | 609,642,709 | 41, $1.55,607$ | 4,702,787 | 655.501 .093 |
| May | 808, 402,863 | 44,787, 525 | 5,290844 | $858,481,232$ |
| June | $733,645,890$ | 66,599,729 | 5954.373 | 806,199,992 |
| July | $685,684,148$ | $48,601,772$ | $5,230,024$ | $739,515,944$ |
| August | 625,692, 498 | 46,096,846 | 5, 327,571 | 677,116, 715 |
| September | 652, 283, 760 | $44,438,643$ | 4,918,011 | 701. 640.414 |
| October | 732,024 ? 00 | 49265,780 | 6,476,072 | 787,766,552 |
| November | 801. 906,427 | 70, 200, 574 | $6,113,506$ | $878,220,507$ |
| December | $757,196,931$ | 50,488988 | $5,702,420$ | $813,388,339$ |
| Total | 307,134,410 | 606,964, 150 | $63_{8} 430,463$ | 8,977,529,023 |

## 5. BANK DEBITS AT CLEARING HOUSE CENTRES OF CANADA BY CLEARING CENTRES AND BY MONTHS. DURTNG 1935 AND 1936. (Cont ${ }^{\circ}{ }^{\circ}$ )

2. PROVINCE OF QUEREC (Concluded)

| Year and Month | Montreal | Quebec | Sherbrooke | Total for Quebec Province |
| :---: | :---: | :---: | :---: | :---: |
| 1936 | \$ | \$ | \$ | \$ |
| January | 180,891,441 | 42,823,363 | $5,321,124$ | $829,035,928$ |
| February | $808,663,635$ | 52,281,112 | $4,845,562$ | $865,790,309$ |
| March | 769,982,433 | 47,778,351 | 4,957,831 | 822,668,615 |
| April ....osoo | 878,810,581 | 42,883,378 | 5,322,305 | 927,016,264 |
| May | 833,730,663 | 52,168,909 | 5,898,902 | 891,798,474 |
| June | 847,692,219 | 66,074,125 | 6,190,83'7 | 919,957,181 |
| July ........ | $798,380,200$ | 52,450,500 | 6,005,636 | 856,836,336 |
| August | 732,766,068 | $50,482,415$ | $5,689,062$ | $788,937,545$ |
| September | 802,971, 549 | 48,592,431 | 7,435,460 | 858,999,440 |
| October | 920,658,683 | 103,499,737 | $6,511,465$ | $1,030,669,885$ |
| November | 986,604,022 | 94,884,687 | 6,474,144 | 1,087,962,853 |
| December | 988,915,276 | $63,227,197$ | $6 \times, 832.428$ | $1{ }_{2} 0588974 \times 901$ |
| Total ........ | 150,016,770 | 717,146,205 | 71,484.756 | 10,938,647,731 |

## 3. PROVINCE OF ONTARTO

| Year and Month | Brantford | Chatham | Fort William | Hamilton |
| :---: | :---: | :---: | :---: | :---: |
| 1935 \$ \$ \% \% \$ |  |  |  |  |
|  |  |  |  |  |
| January | 6,726,930 | 6,610,589 | 3,826,418 | 41.8889994 |
| February | 6, 529,398 | 5, 475,364 | 3,757,788 | 37, 500, 466 |
| March | 6,995,082 | 5,915,707 | 3,585,661 | $39,388,940$ |
| April | 7,459,089 | 5, 387, 264 | 3,851,336 | $41,509,672$ |
| May .........0 | 8,407,342 | 6,411, 678 | 3,732,694 | 49.519,788 |
| June | 8,690,851 | 6,608,020 | 4,794,291 | 52,627,024 |
| July | 9, 292, 349 | 6,999,444 | 3,934,77? | 46,777, 283 |
| August | 6,721,116 | 5,432,893 | 4,683, 251. | 42,886,204 |
| September 0.0 | 7,364,514 | 5,650,004 | 4,187,806 | $46,823,213$ |
| October ...s.o. | $88,356,986$ | 6, 231, 408 | 4,416,831 | 50, 329,902 |
| November | 7,926,861 | 10,143,803 | 4, 504, 572 | $58,395,634$ |
| December | $9,715,499$ | 9,035,933 | 4,927,492 | $51,741,071$ |
| Total | 94,186,017 | 79,902,107 | 50, 202,917 | 559,388,191 |
| 1936 |  |  |  |  |
| January | 79857 ¢603 | 11,270,246 | 3,899,022 | 49,924, 642 |
| Hebruary 000. | 7,021,419 | 6,787.120 | 3,820,608 | $46,668,797$. |
| March . | $7,113,847$ | 6, 853, 865 | 3,589,591 | $43,820,343$ |
| April | 7,960,889 | $7,409,847$ | 3,684,448 | 48,394 , 337 |
| May | $9,135,101$ | 6,762,413 | 7,392,076 | 51, 846,422 |
| June | 9,140,409 | 8,646,309 | 5,921. 475 | $50,590,596$ |
| July | 10,198,479 | 7,511,032 | $5,349,973$ | $51,486,824$ |
| August . | 8,661,508 | 7,647.222 | $5,346,835$ | 46,225,612 |
| September | $8,790,471$ | 7,166,075 | $5,653,898$ | $49,761,460$ |
| notober | 8,493,025 | 8,199.190 | 6,000,022 | 54, 717,498 |
| November | 8,495,220 | 9, 918, 557 | $6,204,713$ | $52,301,379$ |
| December | $10,353,498$ | $12,480,250$ | $6,486,673$ | $55,620,666$ |
| Potal | 103,221,469 | 100,652,126 | 63,348,734 | $601,358,570$ |

5. BANK DEBITS AT THE CLEARTMG HOUSE CENTRES OF CANADA BY CLEARTMG CENTRES AND BY MONTHS DORING 1935 AND 1936. (Cont $\mathrm{d}_{0}$ )
6. PROVINCE OF ONTARIO (Cont ${ }^{2} d_{0}$ )

| Year and Month | Kingston | Kitchener | London | Ottawa | Peterberoungh |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1935 | \$ | \$ | \$ | \$ | \$ |
| Januaxy | 4,332,212 | 8,840,715 | 29,063 729 | 145, 811.562 | $4 \% 333,921$ |
| February | $3,880,833$ | 8,211,382 | 24, 276, 180 | 128,364,421 | 3,441,823 |
| March | 3,766,709 | 8, 515,955 | 24,687,872 | 106,209,724 | 4,084, 5? |
| April | 4,124,645 | 8,606,801 | 27,357,808 | 108,030,494 | 4,713,733 |
| May | 4,541,630 | 10,595,478 | $31,960,847$ | $140,465,943$ | $5,017,85$ |
| June | $4{ }_{8} 809,495$ | 9,904,289 | 39,400 ,215 | 134,323,066 | $4,863,10$ |
| July | 4,785,901 | $9,581,603$ | $31,499,804$ | $129,844,531$ | 6,530, 452 |
| August | $4,342,822$ | 8, 851,217 | 28,057,916 | 89, 172,488 | 4, 543, 958 |
| September .0.0 | $4,294,438$ | 8,711,924 | 27,071,721 | 92,800,338 | 5, 112, 301 |
| October | 5,455,712 | 10,922,221 | 29,193,246 | 117,708,149 | 5,46? 593 |
| November | $5,195,632$ | 10,178,641 | 35,490,739 | 121.748 .770 | $5,623,665$ |
| December | $6{ }_{2} 104.942$ | $11,271,603$ | 34,257,552 | $129.676 \%_{2} 71$ | $6,290,247$ |
| Total | $55,634,971$ | 114,191,829 | $362,317,629$ | $1,444,156,227$ | $60,023,193$ |
| 1938 |  |  |  |  |  |
| January .o.o. | 4,993, 305 | 9,948,315 | 35,977, 586 | $108,616,136$ |  |
| February .... | 4,492,109 | 9,730,063 | 30,967,000 | $90,886,642$ | $4,565,993$ |
| March | 4,551, 290 | 9,264,721 | 28,022, 417 | $88,263,530$ | 4, 634,925 |
| April | 4,770,024 | 10,575,659 | 31,699, 297 | $123,655,391$ | 5,150,956 |
| May | 5,809,028 | 10, 308,075 | 33,985,966 | 128,801,999 | 5,425, 565 |
| June | 5,845, 072 | 11,900, 233 | $41,506,087$ | $154.842,359$ | 5,937,543 |
| July | 7,149,963 | 10,605,606 | 32,917,905 | $124,730,952$ | $7,231,284$ |
| August | 5,013,801 | 9,682,856 | 34,022,353 | 100,011, 244 | $5,383{ }_{9} 09$ |
| September | 6,078,995 | 10,676,938 | 41,701,303 | 114,971, 298 | 6,634,404 |
| October | $6,400,716$ | 11,596,508 | $39,610,906$ | 132,702,413 | $5,720,823$ |
| November | 6,112,947 | 11, 135,327 | 31,280,411 | 168,193, 026 | 5,826, 20. |
| December | $66_{2} 650188$ | 12,594,088 | 39, 198,394 | $133,617,444$ | 6,978,468 |
| Total | $67,867,438$ | 128,018389 | $420,889,625$ | $1,469,292,434$ | $68,620,664$ |
|  | Sarnia | Sudbury | Toronto | Windsor | Total fro Ontaric: |
| 1935 | \$ | \$ | \$ | \$ | \$ |
| Januaxy | 5,726,559 | 3,804,323 | 1,009,057, 678 | 19, 447,018 | 1,289,470,648 |
| February | 4.599 .240 | 388695 | $813,051,418$ | 20,600, 297 | $1,063,515525$ |
| March | 5,077,482 | 4,346, 426 | 825,691,722 | 22, 563,058 | 1.060828 .865 |
| April $\ldots . . .0$. | $4{ }^{3} 752.873$ | 4, 325.755 | $800,345,579$ | 22, 312,366 | 1. 042 77? 415 |
| May | 5,975,106 | 4,793,556 | 1.062, 265,904 | $26,085,227$ | 1. 359773.065 |
| June | 6,553,052 | 4,783,137 | $962,847.7472$ | $23,529,691$ | 1, $263,714,004$ |
| July | 6, 360, 283 | 4, 514,373 | $838,324,46 ?$ | 20,003, 128 | $1,118,448395$ |
| August | 5,957,813 | 4,520,339 | 770,031,816 | 17,170,744 | $992.3: 2577$ |
| September | $5,680,587$ | 4,731,967 | $751,568,045$ | 18,402,134 | 982, 398992 |
| october | 6,148,444 | 4,810,068 | $823,837,133$ | $28,960,309$ | 1,101,838,002 |
| November | 5,959,213 | 5,635,655 | 939,209,468 | $30,927,837$ | $1,300,984,490$ |
| December | 6, 354,885 | $5,524,63$ ? | $986,285,425$ | $39,368,471$ | $1,300,554,498$ |
| Total | 69,145,537 | 55,597,151 | $10,642,516,427$ | 289, 364,280 | 13,876,620 476 |

## 5. BANK DEBITS AT THE CLHRTIMG HOUSTS CENTRES OF AHADA, BI CLEAKIMG CENRRES AMD BY YONTHS DURIMG 1936 AND 1930 ( Nunt" $\mathrm{d}_{0}$ )

3. PROVTNCE OF OMTARIO (Concluded)

| Year and Month | Sarnia | Sudbury | Toronto | Windsor | Total for Ontario |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1936 | \$ | \$ | \$ | \$ | \$ |
| January | 6,640,556 | $4,7799_{y} 471$ | 1,017,711. 170 | $45,630,274$ | 1,312,379,677 |
| February | 5,298,806 | 4,786,152 | 1,012,687,069 | 30,571,054 | $1,258,232,826$ |
| March | 5,408,081 | 4,972,347 | 909, 531,297 | 36,006,758 | 1,152,033,012 |
| April | 5,918,510 | 5,462,757 | '843,273,143 | 35,655,353 | $1,133,610,611$ |
| May | 6,577,875 | 6,235,927 | 994,494, 075 | 38, 485,857 | 1,305,260,379 |
| June | 6,260, 567 | $68,585,337$ | $1,079,615,446$ | 36,806,932 | $1,423,598,165$ |
| July | 6,574, 505 | 6,531,580 | 911,640, 537 | $40,894,030$ | $1,222822.470$ |
| August | 5,727,859 | 6,450,850 | 829, 733, 395 | $29,828,113$ | 1,093:734,739 |
| September | 5,991,998 | 6,516,788 | $1,292,340,324$ | 34,450, 512 | $12,390,734,464$ |
| October | 6,962,462 | 6,735,899 | $15022,824,810$ | 31,574,608 | 1.341,538,880 |
| November | $6,067,558$ | 6,659,079 | $1_{5} 154,946225$ | 36,661,908 | 1,503,802,011 |
| December | $6,731,690$ | $7,019,078$ | $1,300,089,196$ | 43,112,970 | 1,640,932,603 |
| Total | 74, 160,267 | $72,735,265$ | 12,168,836,487 | $439,678,369$ | $15,778,679,837$ |

4. PRAIRTE PROVIMCES

| Year and Month | Brandon | Caigary | Edmonton | Lathbridge |
| :---: | :---: | :---: | :---: | :---: |
| 935 | \$ | \$ | \$ | *--- |
| Jamary | 2, 299 , 215 | $45,101,575$ | $37.414,442$ | 3,374,461 |
| Pebruary | 19,903,390 | \$5,757,863 | $26,358,474$ | 2,881, 553 |
| March | 1,883,842 | $38,342,743$ | 30, 286, 112 | 3,145,127 |
| April | 2,133,956 | $49,805,996$ | 43,101,676 | 3, 504,537 |
| May | 2,171,496 | 46,572,529 | 34,671, 624 | 3, $6777_{5} 859$ |
| June | 2,147,724 | 48,609,220 | 34, 643, 873 | 4,202,395 |
| July ....... | 1,967,872 | 49,074,370 | $33,692,779$ | $4,570,1.64$ |
| August ...o. | 1,944,345 | $48,173,165$ | 31.031 .715 | 4.379 .531 |
| September | 2,059,051 | $49,188,424$ | 29.649 .879 | 5. 316823 |
| Octaber | 2,482,312 | 82,813,176 | $35,230,481$ | 4,972,425 |
| November | 2,477, 839 | $63,886,975$ | $31.778,513$ | $4.521,380$ |
| December | 2, 195, 648 | 59,505,039 | $32,558,858$ | 4,399,459 |
| Total | 25,666,690 | $616,831,075$ | 400418,426 | $48,845,714$ |
| 936 |  |  |  |  |
| Jamary 0.0 . | 2,056,706 | 49,296; 280 | 37, 595,418 | 3,580,088 |
| February | $1,811,511$ | $44,747,473$ | 24.279 .756 | 2.962,038 |
| March | 1,862,729 | 47, 254,011 | 31, 343,653 | 3.222,667 |
| April ...... | 2,093,605 | 47,702, 264 | 33,767 781 | 3, 671,591 |
| May .....0.0. | 2, 185,312 | $50,013,468$ | 30,547, 990 | 3,470,398 |
| June ...... | 2,477,810 | $51,347,961$ | 32,807,810 | 3,887,677 |
| July | 2, 515,667 | $53,905,692$ | 29,972,506 | 3,652,624 |
| August . | 2,259,841 | $47.815,921$ | $28,991,687$ | 3, 683,878 |
| September - | 2,826,712 | $60,935,921$ | $51,030,617$ | 4.612312 |
| October ooso | 2,871,818 | 65,802,184 | 36,810,639 | 4,689,366 |
| November | 2, 645,465 | $55,976,587$ | 35,554, 542 | 3,932, 020 |
| December | 2,706,815 | 61,347,832 | 36,684326 | $4.415,384$ |
| Total | 28,31.3,991. | 636, 1.45, 594 | 387.386,725 | 45,780, 043 |

5. BANK DEBITS AT THE CLEARTNG HOUSE CENTRES OF CANADA BY CLEARIMG CENTRES AND BY MONTHS DURIMG 1935 ARD 1936. (Cont ${ }^{\circ}$ du
6. PRUTRIE PROVINCES (ContVd.)

7. BANK DEBITS AT THE CLEARING HOUSE CENTRES OF CANADA, BY CLEARTNG CENTRES AND BY MONTHS, DURING 1935 AND 1936。(Concluded)
8. PRAIRIE PROVINCES (Concluded)

| Year and Month | Saskatoon | Winnipeg | Total for Prairie Provinces |
| :---: | :---: | :---: | :---: |
| 1936 \$ \$ \$ |  |  |  |
|  |  |  |  |
| Jamuary | 8,517,573 | 491,942,890 | 634,966,171 |
| February | 7,008,484 | 309,576, 509 | 427,832, 564 |
| March | 7,937,209 | $279,670,623$ | 412,747,942 |
| April | 8,822,207 | 362,958,917 | $497,378,985$ |
| May | 9,992,094 | 416,880,900 | $567,399,893$ |
| June | 10,027,648 | 423,755,874 | 562,155,062 |
| July | 10,152,151 | 419,667,876 | $574,413,709$ |
| August | 9,884, 378 | 376, 203, 615 | $522,501,390$ |
| September | 12,652,175 | 463,202,947 | 656,335,251 |
| October | 13, 469,707 | $524,786,857$ | $724,971,248$ |
| November | 11,605,141 | $305,800,856$ | 472, 481, 036 |
| December | 11,484,423 | $286,073,848$ | $452,335,426$ |
| Total ........ | 121,553,190 | 4,660,521,712 | $6,505,518,677$ |

5. BRITTSH COLUMBIA

| Year and Month | New West- <br> minster | Vancouver | Victoria | Total for <br> British <br> Columbia | CANADA |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |

6. BANK DEBITS IN CAMADA AND IN ECOMOHIC AREAS FROM $19 R 4$ TO 1936.

IN MILLTON DOLLARS

| Year |  | Canada | Baritime Provinces | Quebec | Ontario | Prairie Provinces | British Columbia |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1924 | $\cdots$ | 27,159 | 584.9 | 88133.0 | 11,209.4 | 5,507.1 | 1,725,2 |
| 1925 | $\cdots$ | 28,126 | 572.5 | 8,475.2 | $11_{1} 236.0$ | 6,000.0 | 1,842.3 |
| 1926 | $\cdots$ | 30,358 | 604.7 | 9,909.5 | 11.998.3 | 5,885.6 | 1,959.8 |
| 1927 | - | 36,094 | 627.7 | 12,643.9 | 14,641.8 | 6,127.0 | 2,053.1 |
| 1928 | . | 43, 477 | 745.5 | 14,912.7 | 17,312.8 | 8,006.7 | 2,499.3 |
| 1929 | -。 | 46,670 | 798.0 | 16,483,7 | 18,543.3 | 7,922.8 | 2,922.8 |
| 1930 | -。 | 37,491 | 708.4 | 13,137.1 | 15,044.4 | 6,279.1 | 2,322.5 |
| 1931 | - | 31,586 | 652.5 | 10,550.1 | 13,376.8 | 5,201.2 | 1,805.8 |
| 1932 | -0 | 25,844 | 519.2 | 7,766.2 | 11,258.9 | 4,797.2 | 1,502.8 |
| 1933 | $\bigcirc$ | 29,981 | 481.0 | 8 y 567.1 | 13.027 .4 | 6,414.4 | 1,491.6 |
| 1934 | - | 32,867 | 534.2 | 9,449,7 | 14,919.5 | 6,337.2 | 1,626.0 |
| 1935 | $\bigcirc$ | 31,546 | 574.1 | 8,977.5 | 13,876.6 | 6,445.4 | 1,672.5 |
| 1936 | $\bigcirc$ | 35,929 | 630.4 | 10,938.6 | 15,778.7 | 6,505.5 | 2,075.4 |


| Percentage of Preceding Years to 1936. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1924 | 0 | 75.6 | 92.8 | 74.4 | 71.0 | 84.7 | 83.1 |
| 1925 | - | 78.3 | 90.8 | 77.5 | 71.2 | 92.2 | 88.8 |
| 1926 | $\bigcirc$ | 84.5 | 95.9 | 90.6 | 76.0 | 90.5 | 94.4 |
| 1927 | $\bigcirc$ | 100.5 | 99.6 | 115.6 | 92.8 | 94.2 | 98.9 |
| 1928 | $\bigcirc$ | 121.0 | 118.3 | 136.3 | 109.7 | 123.1 | 120.4 |
| 1929 | $\bigcirc$ | 129.9 | 126.6 | 150.7 | 117.5 | 121.8 | 140.8 |
| 1930 | - | 104.3 | 112.4 | 120.1 | 95.3 | 96.5 | 111.9 |
| 1931 | $\bigcirc$ | 87.9 | 103.5 | 96.4 | 84.8 | 80.0 | 87.0 |
| 1932 | $\bigcirc$ | 71.9 | 82.4 | 71.0 | 71.4 | 73.7 | 72.4 |
| 1933 | $\cdots$ | 83.4 | 76.3 | 78.3 | 82.6 | 98.6 | 71.9 |
| 1934 | - | 91.5 | 84.7 | 86. 4 | 94.6 | 97.4 | 78.3 |
| 1935 | $\bigcirc$ | 87.8 | 91.1 | 82.1 | 87.9 | 99.1 | 80.6 |

7. INDEXES OF SIX ECONOMIC FACTORS, WITH SEASONAL ADJUSTMENT WHERE NECESSARY, 1933-36. $1926=100$

| Year and Month | Bank Debits | Physical <br> Volume of <br> Business | Employment in Manufacturing First of fullowhing month | Wholesale Prices | Common <br> Stocks | Shares <br> Traded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1933 |  |  |  |  |  |  |
| January | 80.4 | 68.1 | 77.8 | 63.8 | 52.9 | 35.7 |
| February | 85.2 | 67.0 | 77.2 | 63.5 | 49.2 | 49.9 |
| March .o. | 80.8 | 68.4 | 77.0 | 64.3 | 48.9 | 36.9 |
| April $\cdots$ | 78.1 | 69.8 | 76.2 | 65.3 | 53.8 | 86.5 |
| May ..... | 97.7 | 76.4 | 77.6 | 66.7 | 66.1 | 192.4 |
| June | 119.6 | 82.2 | 80.7 | 67.5 | 77.4 | 279.0 |
| July | 146.0 | 84.1 | 82.6 | 70.5 | 86.5 | 328.9 |
| August $\ldots$. | 117.5 | 89.8 | 84.6 | 69.5 | 81.8 | 73.7 |
| September. | 104,2 | 90.8 | 84.4 | 68.9 | 81.6 | 77.0 |
| October. | 97.1 | 88.2 | 85.6 | 67.9 | 73.3 | 70.9 |
| November . | 94.6 | 85.5 | 85.4 | 68.9 | 76.8 | 65.8 |
| December | 86.3 | 86.2 | 87.1 | 69.0 | 75.3 | 60.1 |
| Average | 99.0 | 79.7 | 81.4 | 87.4 | 68.6 | 113.1 |

7. INDEXES OF SLX ECOMOMTC FACTORS, WITH SEA ONAL ADJUSTMENT WHERE MECESSARY 1933.36. 1926 - 100 (Concluded)

| Year and Month | Bank Debits | Physical Vclume of Business | Employment in Manufacturing First of following month | Wholesale <br> Prices | Common Stocks | Shares <br> Traded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 934 |  |  |  |  |  |  |
| January ... | 106.0 | 86.8 | 87.3 | 70.6 | 81.6 | 128.3 |
| February . | 97.5 | 86.4 | 88.1 | 72.1 | 86.5 | 121.0 |
| March | 106.6 | 93.1 | 89.3 | 72.0 | 88.0 | 97.5 |
| April | 105.7 | 92.6 | 89.5 | 71.1 | 90.7 | 78.9 |
| May ...... | 115.4 | 99.6 | 90.4 | 71.1 | 88.6 | 55.7 |
| June ..... | 104.4 | 95.8 | 91.2 | 72.1 | 87.2 | 43.5 |
| July | 114.5 | 95.7 | 91.4 | 72.0 | 81.3 | 42.3 |
| August | 112.4 | 99.0 | 91.9 | 72.3 | 83.8 | 49.6 |
| September . | 109.4 | 97.1 | 91.9 | 72.0 | 83.8 | 32.9 |
| October | 117.8 | 95.8 | 91.9 | 71.4 | 85.2 | 45.4 |
| November | 103.1 | 96.5 | 92.4 | 71.2 | 86.0 | 68.5 |
| December | 105.2 | 92.4 | 94.7 | 71.1 | 86.2 | 56.4 |
| Average ..... | 108.1 | 94.2 | 90.8 | 71.6 | 85.7 | 68.3 |
| 935 |  |  |  |  |  |  |
| January ... | 109.5 | 97.5 | 93.7 | 71.4 | 88.6 | 70.5 |
| February | 97.3 | 100.6 | 94.4 | 71.9 | 87.8 | 39.1 |
| March . | 95.7 | 94.2 | 95.0 | 72.0 | 84.4 | 51.3 |
| April . | 98.6 | 98.5 | 95.1 | 72.5 | 86.4 | 50,2 |
| May | 115.5 | 103.2 | 95.7 | 72.3 | 93.6 | 62.5 |
| June ..... | 108.8 | 99.2 | 95.9 | 71.5 | 93.8 | 40.6 |
| July | 105. 5 | 103.0 | 97.0 | 71.5 | 92.4 | 44.2 |
| August $\ldots$ os | 110.8 | 107.9 | 98.1 | 71.6 | 94.7 | 56.7 |
| September . | 102.9 | 101.9 | 100.6 | 72.3 | 93.6 | 48.6 |
| October . | 100.0 | 107.2 | 102.5 | 73.1 | 96.1 | 62.6 |
| November | 100.8 | 110.0 | 102.4 | 72.7 | 105.8 | 143.8 |
| December | 101.5 | 106.2 | 104.9 | 72.6 | 107.4 | 104.8 |
| Average ..... | 103.9 | 102.4 | 97.9 | 72.1 | 93.7 | 64.6 |
| 956 |  |  |  |  |  |  |
| January ... | 122.1 | 105.2 | 102.4 | 72.9 | 112.9 | 152.2 |
| February | 128.9 | 104.9 | 101.8 | 72.5 | 120.7 | 172.8 |
| March | 111.3 | 103.3 | 102. 5 | 72.4 | 117.4 | 99.7 |
| April 0.00 | 115.5 | 108.8 | 102. 2 | 72.2 | 115.9 | 74.0 |
| May ...... | 109.8 | 109.7 | 100.6 | 71.8 | 112.8 | 65.9 |
| June | 125.8 | 110.3 | 101.9 | 72.3 | 113.8 | 72.2 |
| July ..... | 119.8 | 110.0 | 101.9 | 74.4 | 114.3 | 92.4 |
| August 0. | 116.2 | 113.2 | 103.0 | 76.2 | 114.7 | 72.2 |
| Septamber - | 132.9 | 115.5 | 106.1 | 76.4 | 119.5 | 125.3 |
| October | 114.5 | 119.8 | 106.6 | 77.1 | 126.9 | 226.0 |
| November | 110.1 | 120.0 | 108.1 | 77.2 | 131.8 | 266.8 |
| December | 117.8 | 112.0 | 111.1 | 79.7 | 129.2 | 173.8 |
| Average .o... | 118.7 | 111.0 | 103.9 | $74.6{ }^{7}$ | 1192 | 132.8 |

${ }^{+}$Subject to revistion.


## 11. Canadars Equetion of Exchange in the Postar: Period.

The following tables bearing on the equation of exchange in Canada for the last eidenteen years may be of interest. The equation takes the form of MV. MIVI $£$ PT. M signifies the mount of cjuculating media in the hands of the public. $V$ is the velocity of the money, n circulation or the number of times the media is used in mak payments. MV consequently signifies the total amount of cash payments with a stated period.

Ml signifies the amount of the bank deposits and the velocity or turnover of such deposits. The symbo! M1 $y_{1}$ stends for the total amount of peyments by cheque agoinst indlvidulacounts duping a given period. In the present study, the year is taken as the unit.

On the other side of the equetion, $P$ symbolizes the general price level, and itands for the products exchanged and services rendered.

## Meithod of Compilation

Mo Bank notes in the hands of the publis were obtained by deducting the motes held by other bark $3^{m}$ from the total circulation of bark notes. Previous to march 1935. Dominjon notes in the possession of the barks and in the central goid reserves were deducted from the total issue of such note5n. For the last nine months of 1935. the holdings of the chartered banks of Bank of Canada notes were deducted from the total amount of such notes outstanding. This method was continued in 1936.

The amount of subsidiary coin held by the chartered barks in Canada during the last ni te months of 1935 averaged about $\$ 9,500,000$. The outstanding silver, nickel and bronze coins at the end of each year are reported by the mint. Assuming that the amount of subsidiary co:n held by the banks was maintained, the indicated amount was deducted from the outstanding coin to obtain the mount in the hands of the public.

Adding the notes and subsidiary coin items obtalned, we have the amount of circulating media in the hands of the puolic.
$M_{1}$. The sum of the Dominion and provincial goverment deposits and the notice and demand deposits in Canade is regarded as $M$ - deposit llabilities of the banks subject to cheque. The average of the twelve monthly totals was used as the annuel data.

M1 yg. Bank debits as published by the Bureau are available from January 1924 for the thiry two clearing centres. By ung bark clearings and a constant, determined by the relationship between clearings and debits bank deb! ts were interpolated for the period from January 1919 to Decenber 1923. By a test made for danuary 1935. it was found that cheques cashed outside of clearing centres amounted to $12 \frac{1}{2}$ per cent of the published totals. adding $12 \frac{1}{2}$ pe: cent to clearinehouse totals, we get series roughly equivalent to Ming.

V1. Upon dividing bank debits plus the 12d per cento by bark depositso we obtain the veloct ty of depositsp the 41 of the equation.
Y. As no statistics are available showing the anount of money paid into the chartered banks during any given pe: od it is impossible to directly obtain the velocity of circulating media in the hands of the pullic.

It is inferred from experience in the united states thet the turnove: of money :s abous 16.5 per ceni greater than the furnover of deposits. The estimated velocity of money in the united states from 1896 to 1909 was nearly 21 according to statistlcs given in "The Purchasing Power of Moneyw. The average turnover of deposits in canada from 1919 to 1935 was 17.96 . The turnover of money on this basis was regarded as being 16.5 per cent greater than that of deposits. These assumptions adhittedly involve a margin of error, but money payments play a small part in comparison with cheque poyments and the resulting eprop in total payments is not regarded as mportant.
MV. Multiplyine the ciculating media in the hands of the public by the velocity, the total cash payments were obtained. Total pyments by cash and cheque, MV * MIV1 p were obtained in millions of dollars by addition, the resuits being shown in rable 40
P. The general price level was computed from price indexes of industrial commodities, farm products, retail food rents, other costs of living, transportation costs, securities, producers ${ }^{p}$ equipment, hardware and compos: te mages.

To TV is represented by the index of physical volue o? business published in the Monthly Review of Business statistics and in the amilil supplements. The index is depived from forty-fite factors of production and distribution.

Statistics of bank deb:ts as pubished in this bulletin are limited to returns from clearing house centres only. For the purpose of estabilshing the ratio of the debits in clearing centres to the total anount of debits charged to all accounts af all branch banks in Canada in a particular month. special enquiry was made by the Canadian Bankersi Association in regard to the amount of bark debits charged to accounts at branch barks outs! de of clearing house centres duilig danuary 1935. It was ascertained that the total debits outside of clearing house centres were in that month only 12.5 oer cent of the debits in clearing centres.

Since payments by cheque in the thlityotwo clearing centies of canada were, as al ready stated, $\$ 35.929$ million in 1936 compared with $\$ 31.546$ milll on in the preceding year, and since bark debits outside of clearing centres are bour 12.5 per cent of the reported totals, it follows that, as nearly as can be estimated cheque payments in the Dominion as a whoie were about $\$ 400420$ million in 1936 compared with $\$ 350489$ a! 11 ion in 1935. The circulation of bark and Dominion notes was slightly greater in 1936 than in 1935, and the turnove? If proportional to the turnover of bank deposits, would also show a gain. 1 it is estimated that currency in circulation averaged about $\$ 208$ million compared with $\$ 194$ million in the precedin yeai. on this basis, it is calculated that fotal payments by cheque and cash were about $\$ 44,846$ m!11 ion compared $\mathbf{w}$ th $\$ 39,343$ million in 1935 . The sun of cheque and cash payments constitutes one side of the equation of exchange. while the other is the total quantity of commodities and services soild muitiplied by their price.

The ryclical flictiation of bank deposits is of more moderate characie: than that of bark debits, the turnover of bank deposfts being much greater in periods of prosperity than in depression. Thus the rate of turnover of bark deposits in 1936. as ascertained by dividing the grand total of bark debits in all centres by the average of bank deposits, was 18.26 times as compared with 23.04 times in 1929. The present level of bark deposits is sifficient for considerable business and speculative expansion. \&f the same ratio had been maintained In 1936 as in 1929, payments by cheque would have aggregated 51 billlon compared with the total of 40.420 million obtained by adding 12.5 per cent to the recorded amount of debits in the thirtyorwo centres.

The ma a factors in the equation of exchange are shown by years during the post-war period in the chart on page 13 and the following tables 1 to 40

1. Circulatine media in hends of Pib?!:

Mill:ons of Dollars

|  | Dominion and Bork of cenade Notes | circes lation of Bank Notes | Total <br> Notes in Hands of Publ:c | susidia:y <br> Cola <br> Out- <br> standing | Subsidiary coln in Hands of Puolic | C' mán jo Media an kends of Pubi:g |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Symbo |  |  |  |  |  | M |
| 1919 | 308.0 | 218.9 | 217.0 | 28.77 | 22,97 | 239.97 |
| 1920 | 305.8 | 228.8 | 214.2 | 30.28 | 24.48 | 238.68 |
| 1921 | 271.5 | 194.6 | 171.2 | 30.30 | 24.50 | 195.70 |
| 1922 | 240.4 | 166.5 | 152.1 | 30.19 | 24.39 | 176,09 |
| 1923 | 240.9 | 170.4 | 160.1 | 30.23 | 24.43 | 184.53 |
| 1924 | 226.0 | 166.1 | 179.0 | 30.83 | 24.33 | 203. 33 |
| 1925 | 212.7 | 165.2 | 175.8 | 30.:3 | 24.35 | 200.13 |
| 1926 | 190.0 | 168.9 | 180.3 | 30.04 | 24.24 | 204.54 |
| 1927 | 184.9 | 172.1 | 184.3 | 30.00 | 24.20 | 208.80 |
| 1928 | 201.2 | 176.7 | 189.0 | 30.9 \% | 25.17 | 234.3.: |
| 1929 | 204.4 | 178.3 | 193.5 | 32.26 | 26.46 | 217.96 |
| 1930 | 174.6 | 359.3 | 173.0 | 32.35 | 26.55 | 199.55 |
| 1931 | 153.? | 142.0 | 560: | 32,83 | 27.03 | 183. 3 |
| 1932 | 165.9 | 132.2 | 349. ? | 33.35 | 27.75 | $\therefore 10.65$ |
| 1933 | 179.2 | 130.4 | 349.8 | 33.27 | 27.4? | JT7.2: |
| 1934 | 190.3 | 135.5 | 155"? | 33.70 | 27.90 | 283.60 |
| 1935 | 86.8 H | 125.6 | 365.9 | 33.6 ? | 27.87 | 193." |
| 1936 | 105.3 | 119.5 | 879.9 | 3 3 .00 | 28.20 | 208. 0 |

4. Holdings of chartered baiks and of central Goid Reserves are dedicied from the sum of first and second colums to give total notes in hands of public.
H The average of Bark of Canada notes for the last ten months of the yea:.

## 2. Depos: I Canadar Average of Monthly Data

M: Blions of Doilars

|  | Notice Depos! ts | Demand Depasits | Dominion <br> Gove rmen <br> Depos: | Pioyinulal Gove: nment Deposits | Sa 0 : <br> Depos: is |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Syabo. |  |  |  |  | Ml |
| 1919 | 1,325.2 | 621.? | 181.8 | 22.0 | $1.950 ?$ |
| 1920 | 1,239.3 | 653.9 | 188.4 | 21.4 | $2,102.9$ |
| 1921 | $1,289.3$ | 551.9 | 109.4 | 28.8 | 3.979.5 |
| 1922 | 1,191.6 | 502.8 | 83.7 | 28.8 | 3.806.9 |
| 1923 | 1.197.3 | 523.2 | 50.6 | 34.3 | 1,805.3 |
| 1924 | 1,198.2 | 511.2 | 53.9 | 34.8 | !,798. |
| 1925 | 1,269.5 | 531.2 | 34.5 | 23.8 | 3,859.1 |
| 1926 | $1,340.6$ | 553.3 | 31.3 | 21.6 | 1.946.8 |
| \$92? | 823990i | 596.? | 45.4 | 25.6 | 2,066.1 |
| 1928 | 1,496.6 | 671.5 | 42.2 | 21.8 | 2,238 $\ldots$ |
| 1929 | 1.479 .9 | 696.4 | 77.8 | 24.5 | 2,278,6 |
| 1930 | 1,427.6 | 622.9 | 47\%? | 28.0 | 2,36, |
| 1931 | 12438.0 | 578.6 | 49.0 | 24.4 | 2,089.9 |
| 1932 | 1,376.3 | 486.3 | 55.6 | 26.7 | $\therefore .9444 .3$ |
| 1933 | 1,578.5 | 488.5 | 38.8 | 23.2 | 1,929.0 |
| 1934 | 1, 372.8 | 584.0 | 35.8 | 30.8 | $8: 952.6$ |
| 1935 | 1,445.3 | 568.6 | 25.5 | 39.3 | 2,078.7 |
| 8936 | 1,518.2 | 698.3 | 37.8 | 39.3 | 2,2j30\% |

Millors of Duliais

| \%eas' | Bak <br> Clea:ings | Baik <br> Deb! ts $3 \quad 32$ <br> Cent:es | Bank. <br> Deb:"s addit B $2 \frac{1}{2}$ porio | Veluciry uf Bant: Depos: s | $\begin{aligned} & \text { Yei ocisy } \\ & \text { y Moriey } \\ & \text { o: } 176.5 \\ & \text { p,co of } 1 \end{aligned}$ | Bank <br> Debits less <br> You: iage Centes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Symbus |  |  | $\mathrm{M}_{2}{ }^{\text {i }}$ | Wi | $\checkmark$ |  |
| 1919 | 16,680.9 | 27,332.0 | 30,748,5 | 15.76 | 18.37 | 9,386.9 |
| 1920 | 20,251, 1 | 33,212,0 | 37,363,5 | 17.7? | 20.71 | 11,571.0 |
| 1921 | 17.443 .1 | 28,526.0 | 32,091. 8 | 16.21 | 18.89 | 9,735.5 |
| 1922 | 16,227,1 | 26,567,0 | 29,887,9 | 16.54 | 19.27 | 8.991 .1 |
| 1923 | 17,332.6 | 28,354,0 | 31, 8988.3 | 17.67 | 20.59 | 9.453 .8 |
| 1924 | 17.008.0 | 27.159 .5 | 30,554.4 | 16.99 | 19.80 | 9,641:1 |
| 1925 | 16,761.5 | 28.826 .1 | 31,641.8 | 17.02 | 19.83 | 10,086.4 |
| 1926 | 17.715.1 | 30,358.0 | 34,152.8 | 17.54 | 20.44 | $11,064.7$ |
| 192 ? | 20,568.4 | 36,093.5 | 40,605,2 | 19.65 | 22.90 | 12,360.7 |
| 1928 | 24,554.9 | 43,477.0 | 48,911.6 | 21.85 | 25.46 | 14,990.0 |
| 1929 | 25,105.2 | $46,670.5$ | 52,504.3 | 23.04 | 26.85 | $16,441.3$ |
| 1930 | 20,091.9 | 37.491 .3 | 42, 17i,? | 19.84 | 23,12 | 13,634.6 |
| 1931 | 16,827.6 | 31, 586.5 | $35.534,8$ | 17.00 | 19.81 | $11,116.2$ |
| 1932 | $12,914.2$ | 25,844.3 | 29,074.8 | 14.95 | 17.42 | $9,155.1$ |
| 1933 | 24.720 .6 | 29,981.5 | 33.729. 1 | 17.49 | 20.38 | 9.426 .4 |
| 1934 | 15,963.6 | 32,846.7 | 36.975 .0 | 18.94 | 22.07 | $10,154.4$ |
| 19.55 | 16,927.5 | $31,546.8$ | 35.489 .3 | 17.07 | 19.89 | 10.462 .7 |
| 1936 | $19,202.5$ | $35,928.6$ | 40.419 .7 | 18.26 | 21.27 | 11,971.0 |

4. Total Payments by Cheque and Cash, General Price Level and Physical Volume of Business

Mill ons of Dollars

|  | $\begin{gathered} \text { Cash } \\ \text { Paymenis } \end{gathered}$ | Cash <br> and <br> Cheque <br> Payments | Genc: ai Pilice L.eve: $1926=00$ | Physical <br> Volume 0 " Business | Physical <br> Volume of <br> Business $x$ <br> Price index |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Symbus | M | $M_{1} y_{1} \leqslant m y$ | $p$ | ? | PT |
| 1919 | 4.408 .2 | 35,156.7 | 106.6 | 71.3 | 76.0 |
| 1920 | 4.943 .1 | 42,306.6 | 121.7 | 75.0 | 91.3 |
| 1921 | $3,696.8$ | 35,788.6 | 105.9 | 66.5 | 70.6 |
| 1922 | 3,393.3 | 33, 281.2 | 96.7 | 79, | 76.5 |
| 1923 | 3,820.1 | 35,718,4 | 97.0 | 85.5 | 82.9 |
| 1924 | 4,025,9 | 34.580 .3 | 97.9 | 84.6 | 82.8 |
| 1925 | 3,968.6 | 35,610,4 | 99.3 | 90.9 | 90.3 |
| 1926 | 4.191 .0 | $38,343,8$ | 100.0 | 100.0 | 100.0 |
| 1927 | 4.770 .1 | 45,375, 3 | 101.3 | 106.. | 107.5 |
| 1928 | 5.452 .8 | $54,364,4$ | 102.3 | 11:3 | 120.0 |
| 1929 | 5,852.2 | $58,356.5$ | 104.8 | 125,5 | 131.5 |
| 1930 | 4,6i3.6 | 46.191 .3 | 98.8 | 109.5 | 108.2 |
| 1931 | 3,639.1 | 39.174 .5 | 88.0 | 93.5 | 82.3 |
| 1932 | 3,077,2 | 32,152.0 | 80.2 | 78.7 | 63.2 |
| 1933 | $3,612.8$ | $37,341.9$ | 79.6 | 79.7 | 63.4 |
| :934 | 4.052 .1 | 41, 027.1 | 81.5 | 94,2 | 76.8 |
| 19.35 | 3,8540i | 39.384 .3 | 83,0 | 102.4 | 85.0 |
| 1936 | 4.426 .3 | $44,846.0$ | 84.6 | 111.0 | 93.9 |

