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## CANADA <br> 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 PERIOD1938






BANK DEBITS TO INDIVIDUAL ACCOUNTS<br>or<br>Amount of Cheques Charged against Bank Accounts at the<br>Clearing House Centres in 1938．

Financial transfers in the form of bank debits were 12 poc．less in 1938 than in the preceding year．The total was $\$ 30,924$ million against $\$ 35,166$ million， representing a decline of $\$ 4,242$ million．Each of the five economic areas ghowed contraction in the amount of cheques cashod and only seven of the 32 centres recorded an increase over the preceding year．

The downward fluctuation in bank debits conformed with the movement in the majority of economic factors．A temporary maximum in business and speculative activity had been established in 1937，while 1938 was a year of recession．Excellent resistance，however，was shown to depressing influences in the first eight months， and an important recovery characterized the later part of the year．After seasonal adjustment the lowest point in bank debits was reached in May，while the maximum was recorded in September．

## Fluctuations by Econonic Areas

The decline in the liaritimes from 1937 was 12.8 poc．，a lower position having been show in each of the three clearing centres．Bank debits in Montreal at $\$ 9$ billion recorded a decline of 15 p．c．The showing in the cities of Queboc and Sherbrooke was more favourable，the provincial total showing a decline of 13.9 p．c．

Fort William alone of the 13 centres in Ontario recorded a gain over 1937. Declines in Hamilton and Ottawa were 9.6 poc．and 10.7 poco，respectively．Debits in Toronto were $\$ 10.4$ billion，a decline of 14.7 poc ．The net result was that the total for Onterio at $\$ 13.8$ billion showed a decline of 13.4 p．c．

Owing to the more favourable trading conditions after the harvest，bank debits in the Prairie Provinces showed a lesser percentage decline than in any other economic area．Gains were shown in half of the clearing centres of the three pro－ vinces，the decline in the aggregate having been 5.3 poc．The drop in Winnipeg was $\$ 332$ million or 11 poc．The decline in Vancouver wes 8.6 poco，while recessions of $4.2 \mathrm{p} . \mathrm{c}$ ．and $1.0 \mathrm{p} . \mathrm{c}$ ．were shown in Victoria and New Westminster，respectively．The total at $\$ 1.9$ billion for British Columbia showed a decline of 7.7 p．co

## Comparison with Other Economic Factors

The financial background continued strong in 1938，a new high point being reached for the period of observation in high－grade bond prices and in the deposit liabilities of the chartered banks．The index of the physical volume of business was relatively steady in the first part of the year，rising to a considerably higher level in the last four monthe．The index at 112．9，however，average about 10 points lower than in the preceding year．Fmployment in manufacturing plants was at a high level in the latter part of 1937 and some decline was subsequently shown，but the average for 1938 recorded a decline of only $3 \frac{1}{2}$ poc。from the preceding year．Whole－ sale prices receded after July，1937，the index in December having been 73.5 against 82.7 in the same month of 1937.

## 1. BANK DEBITS TO INDIVIDUAL ACCOUNSS AT THE CLEARING HOUSE CENTRES OF CANADA, 1935 to 1938.

| Province and <br> Clearing House Centres | 1935 | 1936 | 1937 | 1938 |
| :---: | :---: | :---: | :---: | :---: |

Maritime Provinces

| Halifax | 310,052,273 | 341,775,552 | 406,591,857 | 333,640,504 |
| :---: | :---: | :---: | :---: | :---: |
| Moncton | 90,680,025 | 98,641,301 | 112,550,923 | 108,145,304 |
| Saint John | $173,390.562$ | 189,985,161 | 214,216,666 | 191,897,145 |
| Total Maritime Provinces | 574,052,860 | $630,402,014$ | 733,359,446 | 639,682,953 |
| Quebre |  |  |  |  |
| Montreal | 8,307,134,410 | 10,150,016,770 | 10,596,261,705 | 9,005,746,368 |
| Quebec | 606,964,150 | 717,116.205 | 888,524,702 | 875,695,644 |
| Sherbrooke | $63,430,463$ | 71,484, 756 | 832635,135 | 83,73927 |
| Total . Quebec ...... 8,977,529,023 10,938,647,731 11,568,421,542 9,965 |  |  |  |  |

Ontario

| rantiford | 94,186,017 | 103,221,469 | 120,088,991 | 109,468,693 |
| :---: | :---: | :---: | :---: | :---: |
| Chatharn | $79.902,107$ | 100.652,126 | 111,553,991 | 103,272,854 |
| Fort William | 50.202 .917 | 63,348,734 | 68,085,229 | 68,129,478 |
| Hamilton | 559,388,191 | 601,358,570 | 691,483,173 | 625,035,425 |
| Kingston | 55,634,971 | 67,867,438 | 76,687,282 | 71,213,576 |
| Kitchener | 114,191,829 | 128,018,389 | 142,265,155 | 141,030,659 |
| London | 362,317,629 | 420,889,625 | 413,075,352 | 389,223,524 |
| Ottama | 1.444,156.227 | 1,469,292,434 | 1.348,844,155 | 1,203,891,077 |
| Peterborough | 60,023,193 | 68,620,664 | 75,770,408 | 70,263,426 |
| Sarnia | 69,145,537 | 74,160,267 | 81,347,420 | 75,489,832 |
| Sudbury | 55,597,151 | 72,735,265 | 88,780,681 | 81,715,014 |
| Toronto | ,642,516,427 | $12,168,836,487$ | 12,226,885,028 | 10.428,035,428 |
| Windsor | 289,364,280 | $433,678,363$ | 493,282,632 | 440,290,022 |
| Total - Ontario <br> Paririe Provinces |  | 78,679,837 | ,939,149,497 | 13,810,063,008 |
|  |  |  |  |  |
| Brandon | 25,666,690 | 28,313,991 | 31,358,553 | 32,845,981 |
| Calgary | 616,831,075 | 636,145,594 | 658,768,183 | 650,666,363 |
| Edmonton | 400,418,426 | 387,386,725 | 417,963,669 | 430,271,739 |
| Lethbridge | 48,945,714 | 45,780,043 | 51,787,553 | 57,226,409 |
| Medicine Hat | 27,322,542 | 26,842,729 | 26,611,236 | 28,155,429 |
| Moose Jaw | 53,874,399 | 77, 376,584 | 73,307,647 | 68,605,328 |
| Prince Alber | 24,434,064 | 25,976,662 | 28,730,736 | 25,783,414 |
| Regina | 505,052,79? | 495,621,447 | 428,357,691 | 507,534,686 |
| Saskatoon | 110,058,112 | 121,553,190 | 121,374,564 | 114,863,759 |
| Winnipeg | 4,632,791,950 | $4,660,521,712$ | 2,988,695,575 | 2,656, 424,383 |
| Total -- Prairie Provinces | 6,445,395,764 | 6,505,518,677 | 4,827,021,407 | 4,572, 283,521 |
| British Columbia |  |  |  |  |
| New westminster | 59,819,150 | 70,089,850 | 74,751,206 | 73,972,517 |
| Vancouver | 1,349,924,217 | 1,682,786,803 | 1,632,512,585 | 1,546,112,353 |
| Victori | 262,718,851 | 322,481,831 | 330,844,455 | 316,964,989 |
| tal .-. British Columbia | 1,672,462,218 | 2,075,358,484 | 2,098,109,216 | 1,937,050,85 |

Total -. Prairie Provinces 6,445,395,764 6,505,518,677 4,827,021,407 4,572, 283,521 British Columbia

GRAND TOTAL FOR CANADA - 31,546,066,341 35,928,606,743 35,166,061,138 $30,324,362,732$
2. BANK DFBITS TO IMDIVIDUAL ACCOUNTS AT THE CLENITMG HOUSE CENTRFS OF CANADA 1987 and 1938.

3. INDEX NUMBFRS OF BANK DEBITS IN CANADA BASED ON THE AVERAGE FOR 1926 ECUALLING 100 , CORRECTED FOiß SEABONAL VARIATIUN ACCORDING TO EXPEKIENCE WITH BANK DEBITS OVER A TERM OF YEARS

| Year and Month | Montreal | Toronto | Winnipeg | Vancouver | CAINADA |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1938 |  |  |  |  |  |
| January | 97.1 | 121.2 | 58.5 | 91.7 | 101.2 |
| February | 95.5 | 125.0 | 50.3 | 88.8 | 97.1 |
| March | 95.3 | 124.9 | 59.3 | 95.9 | 102.1 |
| April | 95.2 | 122.8 | 67.4 | 86.8 | 100.5 |
| May | 90.4 | 107.0 | 58.0 | 90.2 | 90.4 |
| June | 101.3 | 135.3 | 50.0 | 91.1 | 100.8 |
| July | 102.8 | 122.1 | 42.3 | 90.3 | 96.4 |
| August | 99.6 | 136.3 | 53.2 | 94.9 | 100.9 |
| September | 100.3 | 120.0 | 113.7 | 129.9 | 110.6 |
| October | 101.2 | 123.6 | 91.6 | 117.7 | 107.8 |
| Novenber | 102.6 | 135.8 | 88.5 | 108.2 | 106.6 |
| Decenber | 102.3 | 150.4 | 74.2 | 109.9 | 107.1 |

4. BANK DFBITS, BAHK CLEARINGS AND PERCEHTAGE OF BANK DEBITS TO CLEARINGS BY MONTHS DUKING 1937 and 1930.

| Year and Month | Bank Debits | Bank Clearings | Percentage of Bank Debits to Bank Clearings |
| :---: | :---: | :---: | :---: |
| 1937 | \$ | \$ |  |
| January | 3.227,354.600 | 1,626,403,364 | 198.4 |
| February | 2,731,934,437 | 1,352,286,537 | 202.0 |
| March | 3,189,836,520 | 1,631,393,849 | 195.5 |
| April | 3,376,200,540 | 1,719,712,734 | 196.3 |
| May | 2,768,765,081 | 1,597,480,966 | 173.3 |
| June | 2,891,916,624 | 1.547.821,398 | 186.8 |
| July | 2,720,737,779 | 1,510,001,371 | 180.2 |
| August | 2,612,857,577 | 1,421,206,629 | 183,9 |
| September | 2,733,624,854 | 1,530,534,430 | 178.6 |
| October | 2,905,802,514 | 1,641,113,815 | 177.1 |
| November | 2,925,615.844 | 1,618,954,675 | 180.7 |
| December | 3,081,414,768 | 1,653,414,830 | 186.4 |
| Total | 35,166,061,138 | 18,850,384,598 | 186.6 |
| 1938 |  |  |  |
| January | 2,444,600,036 | 1,358,033,794 | 180.0 |
| February | 2,175,995,261 | 1,168.079,388 | 186.3 |
| March | 2,370,658,176 | 1,320,041,908 | 179.6 |
| April | 2,401,369,770 | 1,360,269,458 | 176.5 |
| May | 2,461,867,389 | 1.423,764,308 | 172.9 |
| June | 2,730,577,687 | 1,486,260,480 | 183.7 |
| July | 2,466,370,454 | 1,258,393,533 | 181.6 |
| August | 2,371,129,327 | 1,352,863,433 | 175.3 |
| Septamber | 2,654,812,850 | 1,515,434,868 | 175.2 |
| October | 2,975,777,968 | 1,672,195,072 | 178.0 |
| November | 2,965,079,443 | 1,661,720,515 | 178.4 |
| Deceaber | 2,90:,124,371 | 1,586,511,086 | 183.1 |
| Total | 30,922, 362.73: | 17,263,573,843 | 179.1 |

5. BANK DEBITS AT THE CLEARING HOUSE CENTRES OF CANADA, BY CLEAIING CENTRES AND BY MONTHS, DUKING 1937 and 1938.

1。 MARITIME PROVINCES

| Year and Month | Halifax | Moncton | Saint John | Total for Maritime Provinces |
| :---: | :---: | :---: | :---: | :---: |
|  | \$ | \$ | \$ | \$ |
| 1937 |  |  |  |  |
| January ....... | 39,174,002 | 8,975,993 | 18,249,074 | 66,399,069 |
| February ..... | 23,479,322 | 7,459,354 | 14,377,086 | 45,315,762 |
| March | 49,682,678 | 8,464,042 | 19,987,562 | 78,134,282 |
| April ........ | 37,105,619 | 9,061,371 | 18,301,520 | 64,468,510 |
| May .......... | 29,243,413 | 9,870,814 | 18,936,511 | 58,050,738 |
| June | 31,702,369 | 10,129,871 | 17,102,542 | 58,934,782 |
| July | 32,028,070 | 9,600,001 | 18,421,720 | 60,049,791 |
| August ....... | 30,789,182. | 9,288,554 | 17,860,710 | 57,938,446 |
| September .... | 30,824,009 | 9,280,137 | 17,989,878 | 58,034,024 |
| October | 23,932,556 | 10,025,953 | 16,608,990 | 56,567,199 |
| Hovember | 32,284,487 | 9,834,976 | 16,784,743 | 58,904,206 |
| December | 40,346,150 | 10,559,857 | 19,596,330 | 70,502,337 |
| Total | 406,591,857 | 112,550,923 | 214,216,656 | 733,359,446 |
| 1938 |  |  |  |  |
| January ...... | 27,691,754 | 8,712,225 | 16,173,930 | 52,578,009 |
| February ..... | 23,836,473 | 7,795,207 | 13,324,427 | 44,956,107 |
| March | 26,309,252 | 8,008,770 | 15,430,735 | 49,748,757 |
| April | 25,312,464 | 8,692,055 | 16,346,409 | 50,350,928 |
| May . | 26,198,683 | 9,161,821 | 17,822,916 | 53,183,420 |
| June | 27,961,406 | 10,267,947 | 17,033,243 | 55,262,596 |
| July | 30,504,422 | 8,867,389 | 16,712,075 | 56,083,886 |
| sugust ....... | 27,186,427 | 9,149,319 | 16,920,876 | 53,256,622 |
| September .... | 28,906,604 | 9,018,944 | 14,510,443 | 52,435,991 |
| October | 27,726,197 | 9,400,193 | 15,588,065 | 52,714,455 |
| November | 35,356,712 | 9,174,931 | 16,208,996 | 60,740,639 |
| December | 32,650,110 | 9,896,403 | 15,825,030 | 58,371,543 |
| Total .......... | 339,640,504 | 108,145,304 | 191,897,145 | 639,682,953 |

2. PROVINCE OF QUEBEC

| Year and Month | Montreal | Quebec | Sherbrooke | Total for Quebec Province |
| :---: | :---: | :---: | :---: | :---: |
|  | \$ | \$ | \$ | \$ |
| 1937 |  |  |  |  |
| January | 980,122,526 | 46,271,363 | 5,801,824 | 1,032,198,719 |
| February | 825,521,929 | 50,632,879 | 5,490,495 | 881,645,303 |
| March ... | 1,062,548,032 | 74,441,541 | 6,422,235 | 1,143,411,808 |
| April | 1,021,664,524 | 69,360,974 | 7,974,302 | 1,098,999,800 |
| May | 805,387,110 | 81,187,777 | 7,146,827 | 893,721,714 |
| June | 803,563,574 | 71,399,034 | 7,491,728 | 882,454,336 |
| July | 832,953,244 | 78,092,485 | 7,241,052 | 918,286,781 |
| August | 793,546,488 | 76,248,726 | 6,676,454 | 876,471,668 |
| September | 853,876,025 | 64,965,620 | 6,864,081 | 925,705,726 |
| October. | 873,058,259 | 69,708,668 | 7,159,309 | 949,926,236 |
| November | 816,552,791 | 98,492,368 | 7,899,940 | 922,945,099 |
| December | 927,467,203 | 107,723,261 | 7,463,888 | 1,042,654,352 |
| Total ........... | 10,596,261,705 | 888,524,702 | 83,635,135 | 11,568,421,542 |

5. BANK DEBITS AT CLEARING HOUSE CENTRES OF CANADA, BY CLEARING CFNTRES AND BY MONTHS, DURING 1937 and 1938. (Contid.)
6. PROVINCE OF OUEBEC (concluded)

| Year and Month | Montreal | Quebec | Sherbrooke | Total for Quebec Province |
| :---: | :---: | :---: | :---: | :---: |
|  | \$ | \$ | \$ | \$ |
| 1938 |  |  |  |  |
| January | 707,710,261 | 56,356,001 | 6,308,141 | 770,354,403 |
| February | 623,556,096 | 49,983,907 | 5,648,995 | 679,193,998 |
| March | 690,473,909 | 80,014,698 | 6,945,109 | 777,433,716 |
| April | 701,138,183 | 53,370,063 | 6,716,061 | 761,224,307 |
| ivay | 742,055,690 | 52,358,122 | 6,820,956 | 801,234,768 |
| June | 835,892,841 | 62,342,215 | 7,677,821 | 905,912,877 |
| July | 794,943,513 | 67,030,945 | 7,054,020 | 869,028,478 |
| August | 706,156,970 | 67,091,433 | 6,793,497 | 780,047,900 |
| September | 722,025,084 | 74,506,402 | 7,055,023 | 803,586,509 |
| October | 818,123,143 | 119,605,891 | 7,478,040 | 945,207,074 |
| Novernber | 854,815,098 | 121,281,390 | 7,718,319 | 983,814,807 |
| December | 808,856,180 | 71,769,577 | 7,517,797 | 888,143,554 |
| Total | 9,005,746,968 | 875,695,644 | 83,739,779 | 9,965,182,391 |

3. PROVINCE OF ONTARIO

| Year and Month | Brantford | Chatham | Fort William | Hamilton |
| :---: | :---: | :---: | :---: | :---: |
| 1937 | , \$ | \$ | \$ | \$ |
| January | 9,041,972 | 9,126,146 | 5,569,724 | 49,087,667 |
| February | 8,352,991 | 8,570,827 | 6,497,520 | 45,891,510 |
| March | 9,542,971 | 9,118,685 | 4,394,615 | 49,757,906 |
| April | 10,375,972 | 8,574,269 | 4,672,982 | 61,475,127 |
| May | 10,736,135 | 7,697,317 | 4,915,113 | 58,856,513 |
| June | 10,201,155 | 8,297,009 | 5,709,253 | 55,161,307 |
| July | 10,415,009 | 8,736,000 | 5,767,133 | 61,647,716 |
| August | 8,917,533 | 8,384,803 | 5,852,487 | 57,793,023 |
| September | 9,416,606 | 8,485,092 | 5,727,275 | 57,101,712 |
| October | 11,047,024 | 9,736,716 | 6,056,175 | 69,508,132 |
| November | 10,306,654 | 11,598,263 | 6,515,396 | 61,935,369 |
| December | 11,734,969 | 13,228,864 | 6,407,556 | 63,267,191 |
| Total | 120,088,991 | 111,553,991 | 68,085,229 | 691,483,173 |

## 1938

| January | 8,582,570 | 11,894,028 | 5,891,103 | 51,337,485 |
| :---: | :---: | :---: | :---: | :---: |
| February | 7,675,269 | 8,448,208 | 4,846,088 | 46,741,423 |
| March . | 8,480,623 | 8,333,772 | 5,239,842 | 49,664,770 |
| April | 9,054,538 | 8,238,538 | 4,908,525 | 53,882,338 |
| May | 9,476,095 | 7,624,885 | 5,404,920 | 50,813,948 |
| June | 9,721,854 | 8,259,455 | 5,728,227 | 54,75z,457 |
| July | 3,631,473 | 6,992,958 | 5,616,863 | 54,913,993 |
| August | 8,409,236 | 7,088,714 | 6,797,039 | 50,673,484 |
| September | 8,442,118 | 6,721,140 | 6,057,142 | 53,016,179 |
| October . | 10,019,544 | 7,597,377 | 6,393,943 | 58,403,923 |
| November | 9,690,402 | 10,263,045 | 5,560,369 | 51,563,387 |
| December | 10,284,871 | 11,805,734 | 5,685,397 | 49,268,438 |
| tal | 109,468,693 | 103,272,854 | 68,129,478 | 625,032,425 |

5. BANK DEBTTS AT THE CLEARING HOUSE CENTRES OF CANADA, BY CLPARING CENTRES AND BY MONTHS, DUIING 1937 AND 1938. (Cont'd.)
6. PROVINCE OF ONTARIO (Cont'd.)

| Year and Month | Kingaton | Kitchener | London | Ottawa | Peterborough |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$ | \$ | \$ | \$ | \$ |
| 1937 |  |  |  |  |  |
| January | 6,258,690 | 12,323,975 | 36,034,969 | 115,774,887 | 6,738,702 |
| February | 4,821,086 | 10,025,597 | 31,424,273 | 82,872,946 | 5,661,318 |
| March | 6,435,142 | 11,33'3,912 | 33,198,984 | 96,140,660 | 5,287,083 |
| April | 5,712,923 | 12,382,578 | 35,893,491 | 115,942,278 | 6,456,653 |
| May | 6,145,372 | 12,552,583 | 34,466,601 | 111,655,878 | 5,597,906 |
| June | 6,742,091 | 11,560,477 | 36,437,816 | 108,222,045 | 9,124,933 |
| July | 7,189,726 | 11,645,771 | 34,361, 379 | 128,471,311 | 6,063,717 |
| August | 6,186,202 | 10,730,706 | 29,389,505 | 80,341,986 | 5,551,334 |
| September | 6,254,118 | 12,240,005 | 32,851,574 | 97,009,279 | 5,868,545 |
| october. | 6,676,355 | 12,238,330 | 35,515,122 | 110,820,427 | 6,136,223 |
| November | 6,932,677 | 13,046,275 | 38,713,692 | 133,080,226 | 6,379,219 |
| December | 7,332,900 | 13,184,946 | 34,787,946 | 168,512,232 | 6,844,715 |
| Total | 76,687,282 | 143,265,155 | 413,075,352 1 | 1,348,844,155 | 75,770,408 |
| 1938 |  |  |  |  |  |
| J anuary | 6,308,127 | 12,208,426 | 37,614,196 | 98,343,387 | 5,432,091 |
| February | 5,279,141 | 15,392,822 | 26,065,187 | 87,205,435 | 5,014,057 |
| March . | 5,321,655 | 10,146,656 | 31,024,016 | 101,898,103 | 5,632,234 |
| April | 5,375,089 | 10,744,615 | 30,677,039 | 108,762,218 | 5,740,049 |
| May | 6,119,658 | 12,379,935 | 32,464,802 | 134,365,671 | 5,999,778 |
| June | 5,867,379 | 11,158,027 | 43,897,290 | 102,959,857 | 6,128,471 |
| July | 5,756,985 | 10,853,970 | 33,063,731 | 114,527,845 | 5,856,575 |
| Auguet | 5,273,190 | 10,638,580 | 28,126,765 | 89,788,230 | 5,526, 462 |
| September | 6,226,710 | 11,345,637 | 25,280,381 | 78,146,641 | 6,328,324 |
| October | 6,945,170 | 11,392,528 | 30,830,140 | 100,265,082 | 5,903,096 |
| November | 6,445,729 | 11,900,455 | 32,923,027 | 98,718,516 | 6,077,714 |
| December | 6,294,743 | 12,869,008 | 37,256,950 | 88,910,08? | 6,630,775 |
| Total | 71,213,576 | 141,030,659 | 389,223,524 1 | 1,203,891,077 | 70,269,426 |
|  | Sarnia | Sudbury | Toronto | Windsor | Total for Ontario |
|  | \$ | \$ | \$ | \$ | \$ |
| 1937 |  |  |  |  |  |
| January | 6,484,919 | 6,405,767 |  | 41,083,686 |  |
| February | 5,192,192 | 5,959,132 | 1,060,079,148 | 37,448,740 | 1,312,797,280 |
| March | 6,650,072 | 6,271,540 | 1,130,121,784 | 4 43,067,402 | 1,411,320,756 |
| April | 6,358,213 | 7,143,744 | 1,249,265,900 | 42,783,242 | 1,567,037,372 |
| ifay . | 6,296,557 | 7,284,716 | 906,508,261 | 1. $42,567,403$ | 1,215,280,355 |
| June | 7,299,728 | 7,292,939 | 1,073,959,951 | 1 41,286,781 | 1,381,295,485 |
| July | 6,932,702 | 7,221,980 | 850,008,085 | 5 39,334,939 | 1,177,795,468 |
| August ... | 5,776,652 | 8,880,601 | 889,965,649 | 31,989,121 | 1,149,759,665 |
| Sep tember | 7,429,856 | 8,103,719 | 843,661,511 | $137,147,357$ | 1,131,296,649 |
| October | 6,676,596 | 8,252,351 | 911,226,794 | 4 43,302,494 | 1,237,192,739 |
| November | 6,688,963 | 8,199,071 | 994,799,049 | 43,574,083 | 1,341,768,937 |
| December | 9,560,970 | 7,765,121 | 1,045,346,224 | 4 49,697,381 | 1,487,671,015 |
| Total .......... | 81,347,420 | 88,780,681 | 12,226,885,028 | 493,282,632 | 15,939,149,497 |

5. BANK DEBITS AT THE CLEAKING HOUSE CENTRES OF CANADA, BY CLSARING CENTRES AND BY HONTHS, DUIING 1937 AND 1938. (Cont'd.)
6. PKOVINCE OF ONTAKIO (Concluded)

| Year and Month | Sarnia | Sudbury | Toronto | Windsor | Totel for Ontnrio |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1938 \$ \$ \$ |  |  |  |  |  |
| $\frac{1938}{\text { January }}$ | 7,368,308 | 6,840,693 | 844,370,476 | 43,556,278 | 1,139,747,178 |
| February | 5,307,147 | 5,997,765 | 827,100,900 | 35,070,288 | 1,080,143,730 |
| March | 5,842,020 | 6,525,037 | 843,185,970 | 37,154,777 | 1,118,449,475 |
| April | 5,851,797 | 7,097,520 | 806,274,806 | 36,792,692 | 1,093,400,364 |
| Nay | 5,985,070 | 7,564,174 | 801,426,726 | 36,011,607 | 1,115,657,269 |
| June | 6,698,572 | 7,135,714 | 999,828,988 | 41,311,633 | 1,303,449,024 |
| July | 6,539,401 | 7,629,010 | 791,299,662 | 34,166,757 | 1,086,849,023 |
| August | 5,904,657 | 7,327,496 | 817,683,004 | 29,294,070 | 1,072,530,927 |
| September | 6,127,409 | 6,983,036 | $775,088,832$ | 32,747,486 | 1,022,511,035 |
| October | 6,267,802 | 7,228,944 | 876,357,330 | 32,719,520 | 1,160,324,399 |
| November | 6,289,518 | 7,337,750 | 974,925,701 | 34,713,608 | 1,256,412,242 |
| December | 7,308,130 | 7,047,875 | 1,070,495,033 | 46,751,306 | 1,360,608,342 |
| Total. | 75,489,832 | 84,715,014 | 10,428,035,428 | 440,290,022 | 13,810,063,008 |

4. PKALRIE PROVINCES

| Year and Month | Brandon | Calgary | Edmonton | Lethbridge |
| :---: | :---: | :---: | :---: | :---: |
|  | \$ | \$ | \$ | \$ |
| $\frac{1937}{\text { January }}$ | 2,448,234 | 1937 ( |  |  |
| February .... | 2,132,586 | 54,340,995 | 26,217,299 | 2,836,526 |
| March .. | 2,152,470 | 55,155,539 | 30,331,716 | 3,363,841 |
| April | 2,378,824 | 57,599,583 | 36,821,989 | 4,086,304 |
| May | 2,224,590 | 52,926,937 | 36,348,464 | 3,495,596 |
| June | 2,366,935 | 54,066,570 | 35,747,886 | 3,648,794 |
| July | 2,632,490 | 52,273,626 | 34,591,396 | 3,826,042 |
| August | 2,431,528 | 45,286,913 | 34,444,635 | 4,207,296 |
| September ... | 2,977,793 | 54,525,437 | 34,054,023 | 6,077,566 |
| October ..... | 3,491,167 | 66,547,110 | 38,464,889 | 6,276,393 |
| November | 3,228,606 | 62,715,499 | 38,323,656 | 5,510,098 |
| December | 2,893,330 | 49,319,021 | 40,606,151 | 5,389,662 |
| Total......... | 31,358,55z | 658,768,183 | 417,969,669 | 51,787,553 |
| 1938 |  |  |  |  |
| January ..... | 2,563,755 | 50,462,259 | 37,386,977 | 3,877,685 |
| February | 1,762,550 | 37,788,730 | 27,600,012 | 2,983,590 |
| March .. | 2,179,691 | 43,139,644 | 34,558,961 | 3,822,542 |
| April | 2,713,767 | 47,581,608 | 35,753,880 | 4,195,784 |
| May | 2,770,609 | 44,685,645 | 36,609,232 | 3,960,764 |
| June | 2,823,713 | 48,152,879 | 35,322,505 | 3,996,732 |
| July ........ | 2,909,712 | 42,631,608 | 34,406,276 | 3,678,488 |
| August ...... | 2,727,159 | 42,747,438 | 32,522,526 | 4,486,957 |
| September ... | 3,335,838 | 70,312,773 | 35,967,439 | 7,442,657 |
| October .... | 3,320,254 | 91,606,553 | 42,556,226 | 7,682,372 |
| November .... | 2,997,137 | 65,210,963 | 38,293,553 | 5,934,889 |
| Decomber .... | 2,741,796 | 66,346,263 | 39,284,152 | 5,163,949 |
| Total ......... | 32,845,981 | 650,666,363 | 430,271,739 | 57,226,409 |

5. BANK DEBITS AT THE CLEAIING HOUSE CEHTRFS OF CANADA, BI CLEARING CENTAFS AND BY MONTHS, DURTNG 1937 AND 1938. (Cont'd.)
6. PRAIRIE PROVINCES (Cont'd.)

7. BATK DEBITS AT THE CLEASING HOUSE CENTRES OF CANADA ${ }_{2}$ BY CLEARING CENTRES AND BY INONTHS, DURING 1937 AND 1933. (Concluded)

## 4. PRAIRIE PROVINCFS (Concluded)

| Year and Honth | Saskatoon | Winnipeg | Total for <br> Prairic Provinces |
| :---: | :---: | :---: | :---: |
| 1938 | § | \$ | § |
| January | 8,639,665 | 173,372,494 | 325,154,614 |
| February | 6,788,753 | 121,475,145 | 253,203,693 |
| March | 7.880,600 | 141,524,858 | 271,027,527 |
| April | 3,521,380 | 185,872,675 | 353,622,032 |
| May | 9,401,584 | 199,635,199 | 344,423,624 |
| June | 3.051,204 | 164,335,894 | 311,873,406 |
| July | 8,973,337 | 152,949,840 | 293,805,418 |
| August | 9,547,537 | 176,672,982 | 307,749,558 |
| September | 10,394,905 | 381,795,024 | 590,556,021 |
| October | 12,664,411 | 394,767,848 | 630,515,901 |
| November | 10,776,315 | 313,133,719 | 492,567,286 |
| December | 11,224,068 | 350,890,705 | 417,882,441 |
| Total | 114,863,759 | 2,656,424,383 | 4,572,383,521 |

5. BKITISH COLUJidBIA

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

Total
6. BANK DEBITS IN CANADA AND IN ECONOMIC AREAS FROM 1924 to 1938.

IN HILLION DOLLARS

| Year | Canada | Maritime Provinces | Quebec | Ontario | Prairie Provinces | British Columbia |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1924 | 27,159 | 584.9 | 8,133.0 | 11,209.4 | 5,507.1 | 1,725.2 |
| 1925 | 28,126 | 572.5 | 8,475,2 | 11,236.0 | 6,000.0 | 1,842. 3 |
| 1926 | 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 | 25,844 | 519.2 | 7,766.2 | 11,258.9 | 4,797.2 | 1,502,8 |
| 1933 | 29,981 | 481.0 | 8,567.1 | 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 | 31,546 | 574.1 | 8,977.5 | 13,876.6 | 6,445.4 | 1,672.5 |
| 1936 | 35,929 | 630.4 | 10,938.6 | 15,778.7 | 6,505,5 | 2,075.4 |
| 1937 | 35,166 | 733.4 | 11,568.4 | 15,939.1 | 4,827.0 | 2,098.1 |
| 1938 | 30,924 | 639.7 | 9,965.2 | 13,810.1 | 4,572.4 | 1,937.1 |
| Percentage of Preceding Years to 193¢. |  |  |  |  |  |  |
| 1924 | 113.9 | 109.4 | 122.5 | 123.2 | 83.0 | 112.3 |
| 1925 | 109.9 | 111.8 | 117.6 | 122.9 | 76.2 | 105.1 |
| 1926 | 101.9 | 105.8 | 100.6 | 115.1 | 77.7 | 98.8 |
| 1927 | 85.7 | 101.9 | 78.8 | 94.3 | 74.6 | 94.4 |
| 1928 | 71.1 | 85.8 | 66.8 | 79.8 | 57.1 | 77.5 |
| 1929 | 66.3 | 80.2 | 60.5 | 74.5 | 57.7 | 66.3 |
| 1930 | 82.5 | 90.3 | 75.9 | 91.8 | 72.8 | 83.4 |
| 1931 | 97.9 | 98.0 | 94.5 | 103.2 | 87.9 | 107.3 |
| 1932 | 119.7 | 123.2 | 128.3 | 122.7 | 95.3 | 128.9 |
| 1933 | 103.1 | 133.0 | 116.3 | 106.0 | 71.3 | 123.9 |
| 1934 | 94.1 | 119.7 | 105.5 | 92.6 | 72.2 | 119.1 |
| 1935 | 98.0 | 111.4 | 111.0 | 99.5 | 70.9 | 115.8 |
| 1936 | 86.1 | 101.5 | 91.1 | 87.5 | 70.3 | 93.3 |
| 1937 | 87.9 | 87.2 | 86.1 | 86,7 | 94.7 | 92.3 |

7. INDFXES OF FIVE ECUNOMIC FACTORS' WITH SEASONAL ADJUSTUENT MHERE NECESSARY,

$$
\frac{1935}{1926}=1938
$$

| Year and Month | Bank <br> Debits | Physical Volume of Business | Fmployment in Manufacturing first of following month | Wholesale Prices | Common <br> Stocks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1935 |  |  |  |  |  |
| January | 109.5 | 97.5 | 93.7 | 71.4 | 88.6 |
| February | 97.3 | 100.6 | 94.4 | 71.9 | 87.8 |
| March .. | 95.7 | 94.2 | 95.0 | 72.0 | 84.4 |
| April | 98.6 | 98.3 | 95.1 | 72.5 | 86.4 |
| May | 115.5 | 103.2 | 95.7 | 72.3 | 93.6 |
| June | 108.8 | 99.2 | 95.9 | 71.5 | 93.8 |
| July | 105.3 | 103,0 | 97.0 | 71.5 | 92.4 |
| August | 1108 | 107.9 | 98.1 | 71.6 | 94.7 |
| September | 102.9 | 101.9 | 100.6 | 72.3 | 93.6 |
| October.. | 100.0 | 107.2 | 102. 5 | 73.1 | 96.1 |
| November | 100.8 | 110.0 | 102. 4 | 72.7 | 105.8 |
| December | 101.5 | 106.2 | 104.9 | 72,6 | 107.4 |
| Average | 103.9 | 102.4 | 97.9 | 72.1 | 93.7 |

7. INDEXES OF FIVE ECONOMIC FACTORS, WITH SEASONAL ADJUSTMENT WHFRE NECESSARY,
$1935-1938$
$1926=100$ (ConcIuded)

| Year and Month | Bank <br> Debits | Physical <br> Volume of <br> Business | Employment in Manufacturing first of following month | Wholesale Prices | Common <br> Stocks |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1936 |  |  |  |  |  |
| January | 122.1 | 105.2 | 102.4 | 72.9 | 112.9 |
| February | 128.9 | 104.9 | 101.3 | 72.5 | 120.7 |
| March | 111.3 | 103.3 | 102.3 | 72.4 | 117.4 |
| April | 115.5 | 108.8 | 102.2 | 72.2 | 115.9 |
| May | 109.8 | 109.7 | 100.6 | 71.9 | 112.8 |
| June | 125.8 | 110.3 | 101.9 | 72.3 | 113.8 |
| July | 119.8 | 110.0 | 101.9 | 74.3 | 114.3 |
| August | 116.2 | 113.2 | 103.0 | 76.1 | 114.7 |
| September | 132.9 | 115.3 | 106.1 | 76.4 | 119.5 |
| October | 114.5 | 119.8 | 106.6 | 77.1 | 126.9 |
| November | 110.1 | 120.0 | 108.1 | 77.2 | 131.8 |
| December | 117.8 | 112.0 | 111.1 | 79.6 | 129.2 |
| Average | 118.7 | 111.0 | 103.9 | 74.6 | 119.2 |
| $\underline{1937}$ |  |  |  |  |  |
| January | 133.6 | 116.9 | 109.3 | 81.3 | 137.4 |
| February | 121.9 | 115.0 | 109.6 | 82.9 | 142.4 |
| March . | 137.4 | 118.7 | 112.1 | 85.5 | 147.2 |
| April | 141.3 | 124.0 | 113.2 | 86.1 | 136.2 |
| May | 101.7 | 122.0 | 114.7 | 85.1 | 132.2 |
| June | 106.7 | 126.0 | 115.9 | 84.6 | 129.4 |
| July | 106.3 | 126.5 | 114.8 | 87.5 | 133.0 |
| August | 111.2 | 123.4 | 117.9 | 85.6 | 135.2 |
| September | 113.9 | 123.8 | 118.5 | 85.0 | 118.9 |
| October | 105.3 | 127.4 | 117.8 | 84.7 | 105.8 |
| November | 105.2 | 127.9 | 117.5 | 83.1 | 103.1 |
| December | 113.6 | 121.4 | 117.7 | 82.7 | 103.7 |
| Average | 117.5 | 122.8 | 114.9 | 84.5 | 127.0 |
|  |  |  |  |  |  |
| January | 101.2 | 111.8 | 115.9 | 83.8 | 107.7 |
| February | 97.1 | 106.7 | 114.5 | 83.6 | 107.1 |
| March | 102.1 | 108.8 | 112.9 | 83.1 | 99.2 |
| April | 100.5 | 112.4 | 111.7 | 82.3 | 97.9 |
| May ...os | 90.4 | 110.7 | 109.7 | 80.3 | 99.7 |
| June | 100.8 | 108.4 | 110.2 | 80.1 | 100.0 |
| July | 96.4 | 109.1 | 109.5 | 78.6 | 106.9 |
| August | 100.9 | 110.5 | 107.5 | 76.0 | 105.2 |
| September | 110.6 | 119.2 | 110.6 | 74.5 | 98.6 |
| October | 107.8 | 118.6 | 109.0 | 74.1 | 109.7 |
| November | 106.6 | 123.4 | 109.9 | 73.5 | 110.4 |
| December | 107.1 | 115.6 | 111.3 | 73.5 | 106.8 |
| Average | 101.8 | 112.9 | 111.2 | 78.6 | 104.1 |

## CANADA'S EQUATION OF EXCHANGE




## IT Canada! : Equation of Exchange in the Poat-Har Period.

The following tables bearing on the equation of exchange in Canada for the last twenty years may be of interest. The equation takes the form of $M V+M_{1} V_{1}=P T$. $M$ signiftes the amount of circulating media in the hands of the public. $V$ is the velocity of the money in circulation or the number of times the medis is used in making payments. WV consequently signifies the total amount of cash payments within a stated period.
$M_{1}$ signifies the amount of the bank deposits and $V_{1}$ the velocity or turnover of such deposits. The symbol $M_{1} V_{I}$ stands for the totalamount of payments by cheque against individual accounts during a given period. In the present study, the year is taken as the unit.

On the other side of the equation, PT symbolizes the estimated national income on the basis of $1926=100$.

## Method of Compilation

4
Bank notes in the hands of the public were obtained by deducting the "notes held by other banks" from the total circulation of bank notes. Previous to March 1935, Dominion notes in the possession of the banks and in the central gold reserves were deducted from the total issue of such notes. 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 subsequent years

The amount of subsidiary coin held by the chartered banks in Canada during the last nine months of 1935 averaged about $\$ 8,500,000$. The outstanding silver, nickel and bronze coins at the end of each year are reported by the Mint. Assuming that the amount of subsidiary coin held by the banks was maintained, the indicated amount was deducted from the outstanding coin to obtain the amount in the hands of the public.

Adding the notes and subsidiary coin items obtained, we have the amount of circulating media in the hands of the public.
4 The sum of the Dominion and provincial government deposits and the notice and demand deposits in Canada is regarded as $\mathbb{M}_{1}$-deposit liabilities of the banks subject to cheque. The average of the twelve monthly totals was used as the annual data.
$M_{1} V_{1} \quad$ Bank debits as published by the Bureau are available from January, 1924 for the thirty two clearing centres. By using bank clearings and a constant, determined by the relationship between clearings and debits, bank debits were interpolated for the period from January 1919 to December. 1923. By a teat made for January 1935, it was found that cheques cashed outside of clearing centres emount to $12 \frac{1}{2}$ per cent of the public totals. Adding $12 \frac{1}{2}$ per cent to clearing house totals, we get a series roughly equivalent to ${ }_{1} V_{1}$.
${ }^{W}$ I Upon dividing bank debits plus the $12 \frac{1}{2}$ per cent, by bank deposits, we obtain the velocity of deposits, the $V_{1}$ of the equation.
v chartered banks during any given period, it is jmpossible to directly obtain the velocity of circulating media in the hands of the public.

It is inferred from experience in the United States that the turnover of money is about 16.5 per cent greater than the turnover of deposits. The estimated velocity of money in the United States from 1896 to 1909 was nearly 21 according to statistics given in Irving Fisher"s "Purchasing Power of Money". The average
turnover of deposits in Canada from 1919 to 1938 was 17.7. The turnover of money on this basis was regarded as being 16.5 per cent greater than that of deposits. These assumptions admittedly involve a margin of error, but money payments play a small part in comparison with cheque payments and the resulting error in total payments is not regarded as important.

MV
Multiplying the circulating media in the hands of the public by the velocity, the total cash payments were obtained. Total payments by cash and cheque, $M V+M_{1} V_{1}$, were obtained in millions of dollars by addition, the results being shown in Table 4.

PT While a detailed study of the national income during the post-war period has not been carried to the point justifying the publication of the totals, an index number based on preliminary results presents a tentative measure of the trend and fluctuations. The national income estimates embracing in terms of value the entire economic activities of the Dominion, should correlate with the sum of cheque and cash payments.

Statistics of bank debits as published in this bulletin are limited to returns from clearing house centres only. For the purpose of establishing the ratio of the debits in clearing centres to the total amount of debits charged to all accounts at all branch banks in Canada in a particular month, a special enquiry was made by the Canadian Bankers? Association in regard to the amount of bank debits charged to accounts at branch banks outside of clearing house centres during January 1935. It was ascertained that the total debits outside of clearing house centres wore in that month only 12.5 per cent of the debits in clearing centres.

Since payments by cheque in the thirty two clearing centres of Canada were, as already stated, $\$ 30,924$ million in 1938 compared with $\$ 35$, 166 million in the preceding year. and since bank debits outside of clearing centres are about 12.5 per cent of the reported totals, it follows that, as nearly as can be estimated, cheque payments in the Dominion as a whole were about $\$ 34.810$ million in 1938 compared with \$39. 561.8 million in 1937. It is estimated that currency in circulation averaged about $\$ 235$ million compared with $\$ 229$ million in the preceding year. On this basis, it is calculated that the total payments by cheque and cash were about $\$ 38,727$ million compared with $\$ 44,040$ million in 1937 . The sum of cheque and cash payments constitutes one side of the equation of exchange, while the other is the total quantity of commodities and services sold multiplied by their price.

The cyclical fluctuation of bank deposits is of a more moderate character than that of bank debits, the turnover of bank deposits being much greater in periods of prosperity than in depression. Thus the rate of turnover of bank deposits in 1938, as ascertained by dividing the grand total of bank debits in all centres by the average of bank deposits, was 14.40 times as compared with 23,04 times in 1929. The present level of bank deposits is sufficient for considerable business and speculative expansion. If the same ratio had been maintained in 1938 as in 1929, payments by cheque would have aggregated 55,6 billion compared with the total of 34,810 million obtained by adding 12.5 per cent to the recorded amount of debits in the thirty-two centres.

The main 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 4 .

1. Circulating Madia in Hands of Public

Millions of Dollars

|  | Dominion and Bank of Canada Notes / 3 | Circu- <br> lation <br> of Bank <br> Notes $/ 3$ | Total <br> Notes in Hands of Public/1/3 | Subsidiary <br> Coin <br> Out- <br> standing | Subsidiary <br> Coin in <br> Hands of Public | Circulat ing Media in Hands of Public |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Symbol |  |  |  |  |  | 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 | 151.7 | 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 | 30.13 | 24.33 | 203.33 |
| 1925 | 212.7 | 165.2 | 175.8 | 30.13 | 24.33 | 200. 13 |
| 1926 | 190.0 | 168.9 | 180.3 | 30.04 | 24.24 | 204.54 |
| 1927 | 184.9 | 172.1 | 184.1 | 30.00 | 24.20 | 208.30 |
| 1928 | 201.2 | 176.7 | 189.0 | 30.97 | 25.17 | 214.17 |
| 1929 | 204.4 | 178.3 | 191.5 | 32.26 | 26.46 | 217.96 |
| 1930 | 174.6 | 159.3 | 173.0 | 32.35 | 26. 55 | 199.55 |
| 1931 | 153.1 | 142.0 | 156.7 | 32.83 | 27.03 | 183.73 |
| 1932 | 165.9 | 132.2 | 149.1 | 33.35 | 27.55 | 176.65 |
| 1933 | 179.2 | 130.4 | 149.8 | 33.27 | 27.47 | 177.27 |
| 1934 | 190.3 | 135.5 | 155.7 | 33.70 | 27.90 | 183.60 |
| 1935 | 127.3/2 | 125.6 | 165.9 | 33.67 | 27.87 | 193.77 |
| 1936 | 105.3 | 119.5 | 179.9 | 34.00 | 28.20 | 208.10 |
| 1937 | 141.1 | 110.3 | 199.1 | 35.29 | 29.49 | 228.58 |
| 1938 | 161.1 | 99.9 | 203.7 | 36.63 | 30.97 | 234.67 |

/I Holdings of chartered banks and of Central Gold Reserves are deducted from the sum of the first and second columns to give total notes in hands of public.
/2 Bank of Canada notes first appear in the last ten months of the year 1935.
/3 Average of monthly data.
2. Deposits in Canada, Average of Monthly Data

Millions of Dollars

|  | Notice Deposits | Demand <br> Deposits | Dominion Govarnment Deposits | Provincial Governnent Deposits | Sum of Deposite |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Symbol |  |  |  |  | M |
| 1919 | 1,125.2 | 621.7 | 181.8 | 22.0 | 1,950.7 |
| 1920 | 1,239.3 | 653.9 | 188.4 | 21.4 | 2,102.9 |
| 1921 | 1,289.3 | 551.9 | 109.4 | 28.8 | 1,979.5 |
| 1922 | 1,191.6 | 502.8 | 83.7 | 28.8 | 1,806.9 |
| 1923 | 1,197.3 | 523.2 | 50.6 | 34.3 | 1,805.3 |
| 1924 | 1,198.2 | 511.2 | 53.9 | 34.8 | 1,798.1 |
| 1925 | 1,269.5 | 531.2 | 84.5 | 23.8 | 1,859.1 |
| 1926 | 1,340.6 | 553.3 | 51.3 | 21.6 | 1,946.8 |
| 1927 | 1,399.1 | 596.1 | 45.4 | 25.6 | 2,066.1 |
| 1928 | 1,496.6 | 677.5 | 42.2 | 21.8 | 2,238.1 |
| 1923 | 1,479.9 | 696.4 | 77.8 | 24.5 | 2,278.6 |
| 1930 | 1,427.6 | 622.9 | 47.7 | 28.0 | 2,126.2 |
| 1931 | 1,438.0 | 578.6 | 49.0 | 24.4 | 2,083.9 |
| 1932 | 1,376.3 | 486.3 | 55.6 | 26.2 | 1,944.3 |
| 1933 | 1,378.5 | 488.5 | 38.8 | 23.2 | 1,929.0 |
| 1934 | 1,372.8 | 514.0 | 35.1 | 30.8 | 1,952.6 |
| 1935 | 1,445.3 | 568.6 | 25.5 | 39.3 | 2,078.7 |
| 1936 | 1,518.2 | 618.3 | 37.8 | 39.3 | 2,213.7 |
| 1937 | $1,573.7$ $1,630.5$ | 691.3 690.5 | 47.2 49.2 | 42.7 44.9 | $2,354.9$ $2,415.1$ |

3．Bank Debits and Velocity of Deposits and Money．
Millions of Dollars

| Year | Bonk Clear－ ings | Bank <br> Debits <br> in 32 <br> Centres | Bank Debits adding 12 $\frac{1}{2}$ p．c． | ```Velocity of Bank Laposits``` | $\begin{aligned} & \text { Velocity } \\ & \text { of iloney } \\ & \text { or } 116.5 \\ & \text { p.c.of } \mathrm{V}_{1} \\ & \hline \end{aligned}$ | Bank Debits less four large Centres |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Symbol |  |  | $\mathrm{M}_{1} \mathrm{~V}_{1}$ | $\mathrm{V}_{1}$ | V |  |
| 1919 | 16，680．9 | 27，332．0 | 30，748．5 | 15.76 | 18.37 | 9，386．9 |
| 1920 | 20，251．1 | 33，212．0 | 27，363．5 | 17.77 | 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 | 28，854．0 | 31.898 .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 | 28，126．1 | 31，641．8 | 17.02 | 19.83 | 10，086．4 |
| 1926 | 17，715．1 | 30，358．0 | 34，152， 3 | 17.54 | 20.44 | 11，064．7 |
| 1927 | 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．${ }^{\text {a }}$ |
| 1930 | 20，091．9 | 37，491．3 | 42，177．7 | 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 | 14，720．6 | 29，981．5 | 32，729．1 | 17．49 | 20.38 | 9，426．4 |
| 1934 | 15，963．6 | 32，866．7 | 36，975．0 | 18.94 | 22.07 | 10，154．4 |
| 1935 | 16，927．5 | 31，546．1 | 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 |
| 1337 | 18，850．4 | 35，166．1 | 39，561．8 | 16.80 | 19．59 | 12，401．1 |
| 1938 | 17，263．6 | 30，924．4 | 34，810，0 | 14．40 | 16.78 | 11，495．7 |

4．Total Paymenta by Cheque and Cash，and Index of Eetimatea
National Income
Millions of Dollars and Indexes， $192=100$

| Year | Cach Payments | Cash and Cheque Payments | Index of Estimated National Incomef |
| :---: | :---: | :---: | :---: |
| Symbol | MV | $M_{1} V_{1}+M V$ | $\begin{gathered} (1926=100) \\ B T \end{gathered}$ |
| 1919 | 4，408．2 | 35，156．7 | 94.6 |
| 1920 | 4，943．1 | 42，306．6 | 100.9 |
| 1921 | 3，696．8 | 35，788．6 | 77.1 |
| 1922 | 3，393．3 | 33，281．2 | 81.0 |
| 1923 | 3，820．1 | 35，718．4 | 87.2 |
| 1924 | 4，025．9 | 34，580，3 | 86.2 |
| 1925 | 3，968．6 | 35，610．4 | 98.4 |
| 1926 | 4，191．0 | 38，345．8 | 100.0 |
| 1927 | 4，770．1 | 45，375．3 | 106.7 |
| 1928 | 5，452．8 | 54，364．4 | 111.2 |
| 1929 | 5，852．2 | 58，356．5 | 114.9 |
| 1930 | 4，613．6 | 46，791． 3 | 103.0 |
| 1931 | 3，639。7 | 39，174．5 | 85.3 |
| 1932 | 3，077，2 | 32，152．0 | 72.1 |
| 1933 | 3，612．8 | 37， 341.9 | 68.0 |
| 1934 | 4，052．1 | 41，027．1 | 75.2 |
| 1935 | 3，854．1 | 39， 343 ， 3 | 80.1 |
| 1936 | 4，426．3 | 44，846，0 | 87.6 |
| 1987 | 4，477。9 | 44，039．7 | 97.3 |
| 1938 | 3，937．8 | 38，726．5 | 90.0 |

