## COMPUTATION OF PREMIUMS.

1. The amount of the premium payable on the conversion of any existing securities shall be equal to the product obtained by multiplying the following factors, namely :—

- (a) The difference between one year's interest on the amount of principal secured by the existing securities at the rate payable thereon immediately before the date of conversion and one year's interest on the same amount at the rate
  - payable on the new securities; and
- (b) The appropriate factor specified in the Table of Factors hereinafter set out, according to the period between the date of conversion and the maturity date of the existing securities.

2. For the purpose of computing any such period as is mentioned in paragraph (b) of the last preceding clause, any fraction of a half-year that is not less than three months shall be counted as a half-year, and any such fraction that is less than three months shall not be taken into account.

Period from Date of Conversion to Maturity Date of Existing Securitics.	Factor.	Period from Date of Conversion to Maturity Date of Existing Securities.	Factor.		
Years.		Years.			
1	0.488998	19\$	$12 \cdot 891438$		
1	0.967235	20	$13 \cdot 096761$		
11	$1 \cdot 434948$	201	$13 \cdot 297566$		
2	$1 \cdot 892370$	21	$13 \cdot 493952$		
21	$2 \cdot 339726$	211	$13 \cdot 686017$		
3	$2 \cdot 777238$	22	$13 \cdot 873855$		
31	$3 \cdot 205123$	22 <del>1</del>	$14 \cdot 057560$		
4	$3 \cdot 623592$	23	$14 \cdot 237222$		
41	4.032853	231	$14 \cdot 412931$		
$5^{-2}$	$4 \cdot 433108$	24	$14 \cdot 584774$		
5 <del>1</del>	$4 \cdot 824556$	24 <del>1</del>	$14 \cdot 752835$		
6	$5 \cdot 207389$	25	$14 \cdot 917198$		
6 <del>1</del>	$5 \cdot 581799$	25 <del>1</del>	$15 \cdot 077944$		
7	$5 \cdot 947970$	26	$15 \cdot 235153$		
71	$6 \cdot 306083$	26 <del>1</del>	$15 \cdot 388903$		
8	$6 \cdot 656316$	27	$15 \cdot 539270$		
81	$6 \cdot 998842$	271	15 686327		
9	$7 \cdot 333831$	28	$15 \cdot 830149$		
94	7.661448	$28\frac{1}{2}$	$15 \cdot 970806$		
10	7.981856	29	$16 \cdot 108367$		
10 <u>1</u>	$8 \cdot 295214$	$29\frac{1}{2}$	$16 \cdot 242902$		
11	$8 \cdot 601676$	30	$16 \cdot 374476$		
$11\frac{1}{2}$	$8 \cdot 901395$	$30\frac{1}{2}$	$16 \cdot 503155$		
12	$9 \cdot 194518$	31	$16 \cdot 629003$		
$12\frac{1}{2}$	$9 \cdot 481191$	$31\frac{1}{2}$	$16 \cdot 752081$		
13	$9 \cdot 761556$	32	$16 \cdot 872451$		
131	$10 \cdot 035752$	$32\frac{1}{2}$	$16 \cdot 990172$		
14	$10 \cdot 303914$	33	$17 \cdot 105303$		
14 <u>1</u>	$10 \cdot 566175$	$33\frac{1}{2}$	$17 \cdot 217900$		
15	$10 \cdot 822665$	34	$17 \cdot 328020$		
$15\frac{1}{2}$	$11 \cdot 073511$	$34\frac{1}{2}$	$17 \cdot 435716$		
16	$11 \cdot 318837$	35	$17 \cdot 541042$		
16 <del>1</del>	$11 \cdot 558765$	35 <del>1</del>	17.644051		
17	$11 \cdot 793413$	36	17.744793		
171	$12 \cdot 022898$	$36\frac{1}{2}$	$17 \cdot 843319$		
18	$12 \cdot 247333$	37	17.939676		
18 <del>1</del>	$12 \cdot 466829$	$37\frac{1}{2}$	18.033913		
19	$12 \cdot 681496$				

Table of Factors.

## Example of Working.

Conversion as from 15th December, 1933, of 6-per-cent. securities for £100, maturing 14th January, 1947, into 41-per-cent. securities.

Interest rate on existing securities (as reduced by Part I of the Act) is 45 per cent. per annum. £

One year's interest on One year's interest on			s 	· ·	
Difference is	 ••	 		£	0.55

Period from date of conversion (15th December, 1933) to existing maturity date (14th January, 1947) is 13 years 30 days, counted as 13 years.

Factor for 13 years is  $9 \cdot 761556$ .

£0.55 multiplied by 9.761556 is £5.3688558, or £5 7s. 4d., which is the premium for £100 of the existing securities.

The premiums on other amounts of existing securities of the same class can be computed in the same way, or, alternatively, by ascertaining  $5 \cdot 3688558$  per cent. of the amount of the principal in each case.

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(T. 49/52/2.)

F. D. THOMSON,

Clerk of the Executive Council.