.

A N

## EXAMINATION

O F

MR. PITT'S PLAN

F O R

DIMINISHING THE PUBLIC DEBTS

BY MEANS OF

A SINKING FUND.

LONDON:

PRINTED FOR JOHN STOCKDALE, OPPOSITE BUR-LINGTON-HOUSE, PICCADILLY.

M DCC LXXXVII.

[ Price One Shilling. ]

3

AN

## EXAMINATION

O F

MR. PITT's PLAN, &c.

T is much to be wondered at, and more to be lamented, that in a country like this, where we posses the important right of freely canvassing all the measures of Government, we should be so inattentive to that material branch of it, the administration of the sinances. It is in this depart-

A 2

ment

To prove this we need only revert to the immediate and steady resistance made to general warrants, seizure of papers, &c. while we tamely acquiesced in all the wild projects of an unjust and impolitic war, which has burthened us with an hundred millions additional debt, one half of which was squandered in jobs, to procure the requisite consents for the expenditure of the other half.

So different a conduct in the same people cannot be attributed to any want of zeal, in support of those rights which their ancestors have transmitted to them, but must be accounted for on this principle: That an open violation

( 5

violation of the personal security of an individual, is a matter which strikes every understanding at once, and which nobody doubts his own competency to judge of; while our finances are commonly supposed to be so wrapt up in mystery and endless detail, that few have the resolution to attempt even the smallest acquaintance with them. Can we but once get the better of this prejudice, these good consequences will fpeedily follow. It will not be in the power of any self-interested faction much to embarrass any Minister, whose conduct really merits the confidence of the Public; nor will it be possible for a corrupt or arbitrary Minister long to maintain himself in any dangerous degree of authority. An honest administrator of our finances will be encouraged, by knowing his actions are observed and approved by his country; an ignorant, avaricious, ambitious, or careless one, will foon find himself controuled, and obliged to deliver

Whenever this is effected, our national debt, frightful as its magnitude has become, will cease to be deemed insuperable. On the contrary, many persons now living may reafonably expect to see all the future increase of it, which future wars can possibly bring on; or such a diminution, as will, in spite of all probable events, admit of a gradual diminution of our annual burthens, as far as either our interest or our security can possibly require.

These reflections suggested the idea of trying to give so clear and particular an account of the present plan for reducing the public debts, as might be perfectly intelligible to those who have no other knowledge of computation, than what is necessary in the daily occurrences of every family.

At the beginning of the year 1786, the amount of the public debts was about 240 millions, of which about three-fourths bear an interest of only 3 per cent. It was proposed by Mr. Pitt, that the sum of one million per ann. should be employed, not in paying off the creditors such trifling proportions of their debts as that sum would be equal to, that is about a penny in the pound, but in purchasing for the public fuch stock, at the market price, as any perfon should be found desirous to part with. For this purpose it was directed, that the Treasury should issue to the Bank, against every day the transfer-office was open, an equal proportion of the half million, which is to be so employed in every half year.

Some people, either through folly or wickedness, have most absurdly held out, that it would at this rate require 240 years to pay off the present debt, in which time a

new one of four or five times the same magnitude would be incurred. If such non-fense had any foundation, our situation would be discouraging indeed; but we shall soon have a much pleasanter prospect to contemplate.

That no confusion may arise in the mind of the reader from the different interests which different stocks bear, and consequently the prices which they bear in the market, we will begin by supposing all the money to be laid out in the 3 per cent. consolidated annuities, of which near half the public debts consist; the price of these have lately varied from 70 to 75 per cent. that is, 1001. of stock might be bought for 701. or 751. but that no suspicion may arise of a more favourable account being made for the public, than the truth will warrant, we will suppose, that from Midsummer 1786, to Christmas 1790, they may be bought in,

(9)

all expences included, for 801. each 1001. stock.

It may be necessary here to introduce a short account (for the information of those who are wholly unacquainted with the funds) of the manner of conducting this part of the business.

The particular fund which is taken for the example, is transferable four days in each week, and the interest is paid half-yearly, at Midsummer and Christmas, but the books are shut, that is, no transfer can be made for a few weeks before and after the day the interest is due. That time is appropriated to carrying a fresh account into other books; that is, if A sold to B 1001. Stock the last transfer day before the books shut, that stock is taken from the account of A, and placed to the account of B, in whose name a warrant is made out,

B

before

before the books open again, for the halfyear's interest of that 1001. together with the interest of any other sums B might happen to possess. So that it would be a matter of indifference what day the stock was, bought for the public, but for another confideration, which is, that so large a sum coming into the market at once would give a short temporary rise to the stock beyond the fair and natural value. To avoid this it is provided, that the whole fum to be laid out shall be disposed into as many parts, nearly equal, as there are transfer days in each half year. By these means, whatever effect is produced on the price of stock, by the public being a constant buyer, will be still a permanent effect; and should it in time occasion the price to be very high, the disadvantage to the public will only be, that a fomewhat, and not a much longer time, will be requifite for getting rid of any given propor( 11 )

proportion of the debt. But this will be amply compensated by the consequent low interest of money, which must give life and vigour to our trade and manusactures; and if a war should oblige us to have recourse to fresh loans, we shall have them on so much better terms, and consequently, shall not increase our debts so fast as we should other wise do.

It is now time to examine the proceeding of the public broker, in his half-yearly account.

The first article will be, that he received from Treasury, between the 10th of July and 24th of December, 1786, 500,000 l. which he laid out during that time in the purchase of 625,000 l. 3 per cent. stock, having bought 100 l. stock for every 80 l. of money.

The next is, that between the 10th of January and 24th of June, 1787, he received first 93751. for half a year's interest on 625,0001. stock, and secondly, he received from Treasury the sum of 500,0001.

The Computation at Length, of the Operation of a SINKING FUND for Four Years and an Half, on the Supposition of Money being improved at the clear Rate of 31. 158. per Cent.

	fù c t	ms re- eived by	Whole fums to be laid out by the Bank Broker.	Stock transfer'd each half- year into the name of the Public.
	방송을 보다가 하다시는 하는 이렇게 보다보다	Ló	£.	۲.
1786, July 10. Dec. 24.	BY monies advanced from the Trea- fury against each transfer day to the Bank for the purchase of stock Monies laid out during the period in 3 per cents. Stock bought on an average at 801. per cent. all expences included	500,000	500,000	625,000
1787; Jan. 10. June 24.	By interest of the stock standing in the public name, due at the opening of the books, and so be laid out in stock, viz. half a year's interest By monies from Treasury as before Monies laid out in stock as before Stock bought as before	937 <i>5</i> 500,000	509,375	636,718
	Total flock flanding in the public name at Midfummer 1787			1,261,718
July 10 Dec. 24		18,92 <i>§</i> 500,000		648,681
	Total flock belonging to the public at Christmas 1787			ź,910,399

( 13 )

1788; Jan. 10. June 24.		£. 28,655 500,000		<b>£.</b> 6 <b>6</b> 0,818
	Total flock poffeffed by the public at Midfummer 1788			
July 10. Dec. 24.	By interest on public stock for half a year  By monies from Treasury as before  Monies laid out as before  Stock bought as before	38,568 500,000		
	Total stock in public's hand at Christ- mas 1788			3,244,420
1789, Jan. 103 June 24.	By interest on stock for half a year By monies from Treasury Monies laid out as before Stock bought	48,666 500,000	548,666	685,832
	Total of the public flock at Midfummer 1789			3/930,252
July 10. Dec. 24.	By interest for half a year on the public stock  By monies from Treasury  Mónies laid out  Stock bought	58,953 500,000	55 <sup>8</sup> ,953	
	Total public stock at Christmas 1789			4,628,938
1790, Jan. 10: June 24.	By interest on stock By monies from Treasury Monies laid out Stock bought	69;434 500,000	569,434	
	Total stock possessed by the public at Midsummer 1790			711,792
T <sub>1</sub> 1	Which at 3 per cent. produces an ananual income of 160,2211, 18s.			5,340,730
July 10. Dec. 24.	Interest on stock Money from Treasury Laid out Stock bought	\$0,116 \$00,000	580,110	725,137
	Total stock in the public name at Christmas 1790		6	,065,867
	Annual interest in four years and an half			i81,976
				Ву

By the above process it appears, that more than fix millions of 3 per cent. Stock will be transferred to the public in four years and an half, being bought at 80 per cent. which is just equivalent to improving money at the rate of 31. 15s. or 3½ per cent.

And after that period, if we consider the one million per ann. out of the Sinking Fund to go on as before, and a separate account to be kept of the annuities received half-yearly, it will be easy to see the operation of the fund for any proposed length of time. As for example.

At Christmas 1790, the public will possess fix millions of three per cents. which produce an annual income of one hundred and eighty thousand pounds:

Now by the same rule that one million did, in four years and an half, amount to fix millions; one hundred and eighty thousand pounds per ann. will in four years and an half more amount to fix times itself, that is one million and eighty thousand pounds, and the one million per ann. continued will amount also to fix millions, so that at Midfummer 1795, being four years and an half from Christmas 1790, the public account will stand thus, viz.

Stock in hand Annual interest thereof 180,000	£.6,000,000
One million per ann. x by 6	1,080,000 6,000,000
Stock possessed by the public, Midsummer 1795 Annual interest 392,400 × 6 Amount of one million as before	13,080,000
Stock possessed at Christmas 1799	21,434,400
Annual interest 643,032  6  At Midsummer 1804, amount of stock Amount of interest in four years and an half Amount of one million	21,434,400 3,858,192 6,000,000
가 마르크 - 제작되는 수 가능한 하고 되었는 말이 되었다. 함께 하는 사람들은 사람들은 기술을 가능하는 것이다.	31,292,592

Now

By the above accounts we fee, that in eighteen years the public will have bought up of its own debts above thirty millions.

But this fund increases prodigiously faster as it is longer continued. Nor should it ever be allowed to cease its operation until it has cleared off the accumulation of future wars, and such reduction as may be deemed expedient, of our present debt.

Following the same mode of account as above, it will be feen, that a fund of one million per ann. would in

27	vear	s amo	ount <b>t</b> o	above	e 56	millions.
36					72	
	1. 1.				/ 	
45					91	

54 63 305 366

72 8 I

524

742 90

1041 99

( 17 )

If to the present debt of 240 millions we suppose an addition of ten millions every third year on an average for peace and war, or seventy millions in every twenty-one years, then in fixty-three years all the future accumulations would have been paid off, and 100 millions of the present debt.

	Štock.		Annual Interest.
At Christmas 1790	6,000,000	180,000 6 1,080,000	
AtMidfummer 1795 Millions per Ann.	13,080,000 2,354,400 6,000,000		392,4co
Stock at Christ. 1799	21,434,400 3,858,192 6,000,000	Ann. Int.	2,354,400 643,032 6
18 Yrs. Midf. 1804	31,292,592 5,632,662 6,000,000	Ann. Int.	3,858,192 938,777 6
Christmas 1808	42,925,254 7,726,542 6,000,000	Ann. Int.	5,632,662 1,287,757 6
27 Yrs. Midf. 1813	56,651,796 10,197,318 6,000,000	Ann. Int.	7,726,542 1,699,553 6
		다. : 10 12 4 14 4 5 5 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10,197,318

If

Stocka

	( 18 )		
Christmas 1817	Stock. 72,849,114 13,112,838 6,000,000		Annual Interest. 2,185,473
36 Yrs. Midf. 1822	91,961,952	Ann. Int.	13,112,838 2,758,858 6
Christmas 1826	6,000,000	Ann. Int.	16,553,148 3,435,45 <u>3</u>
	20,612;718 6,000,000		20,612,718
45 Yrs. Midf. 1831	141,127,818 26,003,004 6,000,000	Ann. Int.	4,333,834 6
49½ Yrs. Christ. 1835	173,130,822 31,163,544 6,000,000	Ann. Int.	5,193,924
54 Years	210,294,366 37,852,980	Ann. Int.	31,163,544 6,308,830 6
	6,000,000		37,852,980
58½ Years	254,147,346 45,746,520 6,000,000	Ann, Int.	7,624,420 6
			45,746,520
63 Years	305,893,866 55,060,890 6,000,000		9,176,815
			55,060,890
67½ Years	366,954,756 66,051,852 6,000,000	Ann. Int.	11,008,642
72 Years	439,006,608		66,051,852
			72 Years

( 19 )

72 Years	Stock. 439,006,608 79,021,188 6,000,000		Annual Interest
76½ Years	<b>524,</b> 027,796 94,324,998 6,000,000	Ann. Int.	79,021,188 15,720,833
81 Years	624,352,794 112,383,498 6,000,000	Ann. Int.	94,324,998 18,730,583 6
85½ Years	742,736,292 133,792,528 6,000,000	Ann. Int.	112,383,498 22,282,083 6
90 Years	882,528,820 158,855,184	Ann. Int.	26,475,864 6
94½ Years 99 Years above	1041,384,004	Ann. Int.	58,855,184 31,241,520 36,000,000

Supposing any course of events which may occasion the stocks to rise or fall, here follow two tables, one supposing them to get up to 90, the other to fall to 60.

In any of these cases, the public would add ten millions to the national debt of 3 per cents. for fix, eight, or nine millions of money borrowed; but the faster the debt

 $C_2$ 

accu-

accumulated, the faster it would be paid off, and vice versa. So that resuming the period of 63 years, which was before shewn to be the time in which 100 millions of the prefent debt would be paid, together with all probable accumulation in that time, the same would be performed in 49 years at 60 per cent. but would require 70 years to do at 90 per cent. but as the accumulation would be less rapid when nine millions of money could be had for ten millions of 3 per cents. than when only eight or fix millions could be had for the fame; it would make less difference to the public than can generally be imagined at what rate the stocks are bought, provided the Sinking Fund be faithfully applied in war as well as in peace: and that Minister who shall propose, or that Parliament which shall suffer, it to be diverted, will deserve, and I trust meet with the general execration of the country, for having, with eyes open, embraced the detestable expedient of wilful and fraudulent bankruptcy. (21)

#### At 60 per Cent.

er dayada ke sebel Heriot dayada ke s	ก. อีกราก (ครอก อีกลารี)	Cash.	Laid out.	Stock in Hand.
1786, July 10. Dec. 24.	) 	£. 500,000 €€€,⊘.	£. 500,000	833,333
1787, Jan. 10.	½ Year's Int.	12,500 500,000		
June 24.	1883	- coo,et,	512,500	.854,166
July 10. } Dec. 24. }	½ Year's Int.	25,312 500,000		1,687,499
		70 NO 10 1	525,312	875,520
-1788. ] Jan. 10.	Interest	3 <sup>8</sup> ,445 500,000		2,563,019
June 24.		5000 S	538,445	897,408
July-10. }	Interest	51,906 500,000		3,460,427
			551,906	919,676
Jan. 10.	Interest	65,701 500,000		4,380,103
June 24.	orografia	200.00	565,701	942,835
July 10. }	Interest	79,845 500,000		5,322,938
		- 1811/025 1811/025 1811/035	579,845	966,408
				6,289,346
		from the Sort B		

Or three years and an half to perform what the first rate required four years and an half to do.

At

22

### At 90 per Cent.

្រាំងក្នុងដំណើញ ក្រុម	i suitali	Cash.	Laid out.	Stock in Hand.
July 10.		£. 500,000	£. 500,000	£. 555,000
Dec. 24. J	½ Year's Int.	8325		
Jan. 10. June 24.		500,000	508,325	564,850
July 10.	½ Year's Int.			1,119,850
Dec. 24. \		500,000	516,797	574,228
1788, 7	½ Year's Int.		A COMPANY OF THE STATE OF THE S	1,694,078
Jan. 10. }		500,000	525,411	583,790
July 10. 7	½ Year's Int.		Mornini Adding	2,277,868
Dec. 24. 5	. j g2:1360 . j	500,000	534,168	593,520
	Interest	107.7) 43,070	latereit	2,871,388
[1789, ] June 24. ]	\$\(\frac{1}{2}\tau_0\)	500,000	543,070	603,401
fuly 10. 7	Incerest	52,î21	Vakerili Vakerili	3,474,789
Dec. 24. }		500,000	552,121	613,467
1790.	) Interest	61,323		4,088,256
Jan. 10 June 24.	និវត្តខ្លាំ នា គ្នា ហ៊េនិក	500,000	.n 1600, et 307( 561,323 : han amor,	623,692
				4,711,948
				Tuly

in Markay (1885) Markay (1885) Markay (1885)		( 23 Cash.	Laid out.	er er
July 10. }	Interest	£• 70,679 500,000		ilia in di <b>gi</b> nale Vicini di <mark>gi</mark> nale Vicini di ginale
			570,679	634,087
1791, Jan. 10. June 24.	Interest	80,190 500,000		5,346,035
June 24.			580,190	644,655
	أوراه ويومين وأرد ويومين المرد الكليام أوروك			5,990,690

Or five years to perform what the first rate did in four years and an half.

#### FINIS

# NEW BOOKS printed for JOHN STOCK-DALE, Piccapilly.

N ESTIMATE of the Comparative Strength of GREAT BRITAIN, during the present and four preceding Reigns; and of the Losses of her Trade from every War fince the Revolution. New modelled and continued to 1785. By George Chalmers, Esq. Price 3s. 6d. sewed.

The DEBATES of the LORDS and COMMONS, during the Fourth Session of the Sixteenth Parliament of Great Britain. Elegantly printed in Three Volumes, Octavo. Price 11. 1s. half bound and lettered.

Also the DEBATES of the First, Second, and Third Sessions, Three Volumes each Set. Price 11. 1s.

And the DEBATES of the Last Session of the late Parliament, in Six Volumes, Octavo. Price 11. 11s. 6d. half bound and lettered.

The

0205

BOOKS printed for JOHN STOCKDALE.

The BEAUTIES of the BRITISH SENATE; taken from the Debates of the Lords and Commons, from the Beginning of the Administration of Sir Robert Walpole, to the End of the Second Session of the Right Hon. William Pitt. Being an impartial Selection of, or faithful Extracts from, the most eminent Speeches, delivered in the Course of a most important and truly interesting Period of more than sixty Years, severally arranged under their respective Heads, with the Names of the Members, to whom they are ascribed, annexed thereto. To which is prefixed, The Life of Sir Robert Walpole. In Two Volumes, Octavo. Price 10s. 6d. in Boards, or 12s. Bound in Calf and lettered.

NOTES on the STATE of VIRGINIA. By his Excellency THOMAS JEFFERSON, Minister Plenipotentiary from the United States to the Court of France. In One Volume, Octavo, Price 7s. in Boards, illustrated with a large Map, comprehending the whole of Virginia, Maryland, Delaware, and Pensylvania, with Parts of several other of the United States of America.

The HISTORY of NEW HOLLAND, from its first Discovery in 1616, to the present Time. To which is presixed, An Introductory Discourse on Banishment. By the Right Hon. WILLIAM EDEN. Illustrated with a Map of New Holland, a Chart of Botany Bay, and a general Chart from England to Botany Bay. Price 68, in Boards.

A COLLECTION of ORIGINAL LETTERS, written by Charles the First and Second, James the First and Second; the King and Queen of Bohemia, Charles Lewis Count Palatine, Prince Rupert, and several others written by distinguished Persons, from the Year 1619 to 1665. Ornamented with elegant Portraits, from original Paintings by Cooper, Sir Peter Lely, &c. and engraved by Mess. Sherwins, of the Queen of Bohemia, Prince Rupert, Emanuel Scroop Howe, and Ruperta, natural Daughter of Prince Rupert; also, an Engraving of the Mourning Ring, with the Hair of Charles the First in it, worn by his Sister the Queen of Bohemia. Dedicated with Permission to his Majesty. By Sir George Bromley, Bart. In One Volume, Price 108: 6d. in Boards.

An ESSAY, containing a few Strictures on the Union of Scotland with England, and on the present Situation of Ireland; being an Introduction to De Foe's History of the Union. By J. L. De Lolme, Adv. Price 3s. 6d. sewed, containing 95 Pages in Quarto.

AN

# EXAMINATION

O.F

MR. PITT'S PLAN

FOR

DIMINISHING THE PUBLIC DEBTS,

BY MEANS OF

A SINKING FUND.

PART II.

LONDON:

PRINTED FOR JOHN STOCKDALE, OPPOSITE BURLINGTON-HOUSE, PICCADILLY.

M DCC LXXXVII.

[ Price Six-pence. ]

88558

(3)

AN

## EXAMINATION

0 F

## MR. PITT's PLAN, &c.

been only trying to explain the nature and principles of the Scheme for Diminishing the National Debt; and whoever has read that with attention, will now be competent to enter into a more particular examination of the probable success of Mr. Pitt's Plan.

Ву

#### (4)

By taking one Fund alone, and that at an higher price than it has been, we only reckoned £. 1,261,718 to be purchased; whereas, in fact, the public have now at Midsummer, 1787, the sum of £. 1,343,100 standing in their name; and by having purchased in several of the Funds, the interest is received quarterly, instead of half-yearly; so that at the end of one year, we are in the same state, as if we had on the last transferday of that year, purchased the whole Million, at about 743, or 1001. Stock, for 741. 7s. 6d. or thereabouts. The confequence of this would be much the same as if every period of the former Table, was reduced from four years and an half to four years; and consequently, that whatever the Sinking Fund would have amounted to in 63 years, it will at this rate do in about 56 years.

## (5)

But a Table is here added, upon the same supposition as in the former part, by which our probable situation may be readily stated in a few minutes, on every other supposition of encrease of Debt, or price of Stock.

(6

### A T A B L E,

Shewing the Effects of Mr. PITT'S SINKING FUND.

ist. Supposing the present Debt to be 240 Millions.

2d. The 3 per Cents. to be bought in at 80, all Charge included.

3d. An Addition to the Debt of 10 Millions in 3 Years, or 15 Millions in  $4\frac{1}{2}$  Years.

Explanation

(7)

Explanation and Use of the foregoing TABLE.

The Table confifts of Eight Columns, of which the

1st. Is the day and year which compleats a period of  $4\frac{1}{2}$  years, from Midsummer, 1786, when the Sinking Fund, on the present Plan, took place.

2d. Is the number of years elapsed in all from the commencement of the Plan.

3d. Is a number of even millions, which may be supposed possible to be added to our present debt, by future wars, &c.

4th. Is the sum which at the end of every period will have been purchased by the public of its own debts.

5th. Is merely the difference between the 3d and 4th column, and ferves to shew at the end of each period, what proportion the New Debt incurred, bears to the Stock bought in.

6th. Is the sum for which the public credit stands pledged to the creditors at the end of each period, and which if paid off would wholly annihilate all demands on us.

7th. Is the whole fum for which interest is to be raised, in order to pay the public creditors their dividends, and also to supply the Sinking Fund with money to purchase stock for the abolition of the whole debt.

8th. The annual interest of the stock at that time standing in the name of the public, which added to One Million, makes the whole sum to be laid out in stock the following year, which sum, multiplied by 6, as in the Table of the First Part, gives the accumulated stock at the end of the period.

Bara Midwa

The

The foregoing Table is put in such a form, that it exhibits to the view, not only the actual condition of our Finances, in case the events of suture times concur with the suppositions adopted, but also it may be made to suit any actual state in which the country can hereaster be found, as will be presently shewn.

In the present case, it is only necessary to shew the references the columns have to each other.

In the former part it was made clear, that One Million per annum, laid out in 3 per Cents. at 80 l. would, with its growing interest, transfer to the Public, in four years and a half, Six Millions of 3 per Cent. Stock: and if at the end of that period we add to the Annual Million the Interest of that Six Millions, and multiply the whole by Six, the product will be the farther Sum transferred

transferred in the second period, and so on, for any length of time.

The third column, therefore, is a supposed addition to the National Debt of Fisteen Millions in every period, war or peace: it is hardly possible to be a true supposition, but it is greater than past experience warrants, and on that account, probably, less in favour of the Public than the truth: it would admit our borrowing Twelve Millions of money at the rate of Interest here assumed.

The fourth column, which contains the Accumulation of Stock, is in the beginning much smaller than the increase of Debt, but is nearer to it in proportion as it goes farther on, and by degrees overtakes it, and begins to reduce the actual Amount of the present Debt.

The fifth column is particularly worthy of attention. It consists of the actual difference between the Increase of Debt, and the Accumulation of Stock. Now, though the accumulated Stock bears a greater proportion to the increased Debt in every succeeding period than it did before, yet the actual difference is in a few of the earlier periods greater than in the preceding one. Thus in the third and fourth period, Thirty-one Millions bears a greater proportion to Sixty Millions, than Twenty-one Millions does to Forty-five Millions: yet the actual increase of Debt is Twenty-eight Millions in the latter, and only Twenty-three Millions in the former. But after the fixth period, the debt due to the public creditors begins to diminish, it being then increased Thirtythree Millions above the present Debt, and in the next period only Thirty-two Millions; fo that on this plan we see the greatest Sum for which this Country can ever be mortgaged 11 )

gaged, is little more than Thirty-three Millions more than at the beginning of the year 1786; and that happens entirely from the application of a single Million annually for twenty-seven years, in which period we have incurred a new Debt of Ninety Millions, or between Three and Four Millions every year during the whole time. Such is the paradox which the difference between Simple and Compound Interest is alone able to solve.

The next observable period is the tenth, wherein it appears, that the increase of Debt is nearly done away, for at the end of that period Eight Millions appear due to the public creditors, above the original Two hundred and forty Millions; but in the next line the balance is Eight Millions the other way, and from that time. The Sum in the fifth column is always to be substracted from Two hundred and forty Millions, to give the Sum for which the Country is liable to

#### ( 12 )

be called on. This continues to diminish till after the sixteenth period, at which time Forty Millions remain, but the seventeenth shewing, that Two hundred and sixty-nine Millions have been bought, more than the increase of the Debt, and the old Debt being but Two hundred and forty Millions, shews, that before that time, no more Stock would have remained to buy, and consequently no Debt would remain.

It therefore follows, that the difference to the Public, at the end of feventy-two years, would be, that if One Million per annum be employed, as proposed, we shall only be Forty Millions in Debt; and if it be not so employed, we shall be Four hundred and eighty Millions in Debt, the Interest and Taxes having all along remained the same, except as to the mere Sum of One Million per annum.

#### ( 13 )

It now only remains to shew, how the Table is to be most readily applied to any other state of facts.

It has appeared before, that four years and a half was the period, in which any annual Sum, employed in buying Stock, would have purchased Stock to the amount of six times itself, at something above 80 per Cent. for 3 per Cents.

It has also been shewn, that a longer or shorter period would be necessary for such an effect, if the price of Stock was higher or lower: the use therefore to be made of the Table, consists in a very easy and almost obvious artifice.

Let the fourth column be deemed invariable, and confidered merely as a column of periods, each of uncertain duration. But fuch as will, at the given Price of Stock,

amount

#### ( 14 )

amount to fix times the Sum of money applied in one year in 3 per Cent. Stock.

Thus at 80 per Cent. it was found something more than this effect was produced in four years and a half: therefore we may say, it would have been exactly produced, had the Stock been bought at about 81 per Cent.

So it was shewn, that at 90 per Cent. this effect would not have been quite produced in five years, but at 88, or 89, we may say, it would have been exactly produced.

Again, at 60 per Cent. we found it confiderably more than performed in three years and a half; so that we may conclude, it would have been exactly done in that time if Stock had been at 62 or 63.

The Stock actually purchased last year, ending at Midsummer last, has been at different

#### ( 15 )

ferent prices, from 73149 75 per Cent, and at this rate each period would be about four the forces employed, will hardly allow, easy the prefert debts could have not fairly aritim Should this continue the true price, or should any person have reason to expect it to be so, for some years to come, he will expect with equal reason, that the accumulated Stock will, in twenty-four years, be equal to what in the Table is fet down as the produce of twenty-feven years, and fo of any other price of Stock to Nessan on couple fame, when they are at he leaso that It now, only remains to observe upon the third column, as to the variations it may be high or law; provided the Sinking.ot, aldail allowed to operate in watthat well easain Whoever confiders the time our present Debt-was growing to One hundred and forty Millions, and the vast wars we had to sustain, will (thinks) applentifully allowance has been made for the probability of future increases

and

and if he further reflects on the extravagant expences of the last war, in proportion to the forces employed, will hardly allow, that the present debt could have yet fairly arisen to Two hundred Millions instead of Two hundred and forty?

Perhaps the proportion may not be much altered by the price of Stock, because if Twelve Millions of money may be had for Fifteen Millions of Stock, when 3 per Cents. are at 80 l. only Nine Millions can be had for the same when they are at 60 l. So that on the whole the difference to the Public may not be great, whether the funds are high or low, provided the Sinking Fund is allowed to operate in war as well as in peace. But it is to be hoped that a peace of some duration, and honest management if war must come, will prove, that the third column is upon the whole taken far too high. To conclude, Wisdom and Christianity bid

( 17 )

us pray for peace, but we have no reason to fear war. No possible combination of powers can in the next seven years force us to add One Million per annum to our present burthens, which is more than can be said for the resources of any one of those who should be so combined against us.

Note, Although the foregoing Table is carried on to the total extinction of the National Debt, it is very problematical whether fuch an event is on the whole defirable. But we have only been examining the power of fuch a fund, and not the most expedient degree of that power for us to employ. Parliament seems to have adopted an idea of this nature, by providing, that when an income of Four Millions is purchased, the surplus shall go in ease of Taxes. But it would not be difficult to point out some resources not yet attended to, by which the Revenue might be so increased immediately,

( 81 )

as to ease the Public of some part of their burthens immediately, and yet apply more than one Million to the purchase of Stock: this may probably be the subject of a future investigation.

## END OF PART II.